Due Dec 10, 2018

SQL 1

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Thomas Jones Dec 1, 2018 (Edited Dec 17, 2018)

A period of research.

This project has a driving question: What is SQL and why should we learn it? You are to ask your own questions and find the answers too !

Be prepared to discuss and share what you find in the class comments on this page. Critique and reflection on other comments will earn you more marks. Avoid copy and paste, it will earn you less marks.

Due to an issue installing software further SQL assignments have been postponed till 2019.

Clas	s comments
6	Thomas Jones Dec 7, 2018 Your work in this class is to be in a comment like this one
6	Thomas Jones Dec 7, 2018 Complex tasks require different technologies dont you think?
(Nirbha Sran Dec 7, 2018 SQL stands for structured query language. This is a standardized query language which can be used to request information from a database.
	Thomas Jones Dec 7, 2018 So who uses databases?
١	Diljot Nanrhe Dec 7, 2018 SQP stands for structured query language. SQL is a domain specific query language which is used in programming and structured to manage data. it can be held in a relational database management system, or for stream processing in a relational data stream management system.
?	Esha Dhaliwal Dec 7, 2018 SQL is used to perform tasks such as update data on a data base, or retrieving data. Some systems that use SQL are Microsoft and Access.

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SQL stands for Structured Query Language. This is a programming language which is used to communicate with databases. Database is a tool for collecting and organising information. Databases are used to store and handle data such as customer detail for a business or medical records.



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Dilpreet Dhillon Dec 7, 2018

SQL stands for Structured Query Language and it is a domain specific language used in computer programming. SQL is used to query,insert,update and modify data.



Nirbha Sran Dec 7, 2018

SQL can be divided into 3 categories. DML, DCL, and DDL. DML: Data Manipulation Language is used to add, update or delete data . DDL: Data Definition Language is used to manage tables and index structures. DCL: Data Control Language is used to assign and revoke database rights and permissions for domains.

Gurinderpal Nahar Dec 7, 2018

SQL is used on many domain websites such as facebook, khan academy, and bank of america.



Prabhleen Buttar Dec 7, 2018

SQL is a programming language used by businesses and other organizations to access and manipulate data that is stored in databases. SQL is used to retrieve, access, and manipulate data.



Priyanka Kahlon Dec 7, 2018

SQL is a programming language that stands for Structured Query Language. To be more precise SQL is a domain-specific language. It is used for relational database management and data manipulation. There are multiple reasonings behind learning this language since it can be helpful. One reason could be that when having a large amount of data an information, SQL makes it easier to keep track of this data and manage it.



Dilpreet Dhillon Dec 7, 2018

SQL was first developed at IBM by Donald D. Chamberlain and Raymond F. Boyce.



Amitoj Brar Dec 7, 2018

Here is a link to a sample book on SQL on Amazon: <u>https://www.amazon.ca/SQL-Dummies-Allen-G-Taylor/dp/1119527074/ref=sr_1_1?</u> <u>s=books&ie=UTF8&qid=1544206823&sr=1-1&keywords=sql+for+dummies</u>



Jeevanjot Johal Dec 7, 2018

SQL, which stands for Structured Query Language, is a programming language that is used to communicate with and manipulate databases. In order to get the most of the mounds of data they collect, many businesses must become versed in SQL.

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professions including the police, banks and the government use databases. These databases consist of a number of tables that contain data and records that the profession needs. For example, the bank will have a table in their databases that have your bank account transactions and deposits. SQL is used to communicate with databases and is used for updating data.

Heena Basra Dec 7, 2018

SQL is the abbreviated form of Structured Query language. It allows one to access and manipulate databases and became a standard of the American National Standards Institute, back in 1986. An SQL can do many things. For example, it can question, retrieve data from, insert records in, update records, and delete records in a database. An SQL can also create new databases, new tables in, stored procedures, and views all in a database.

Harman Dhaliwal Dec 7, 2018

SQL stands for structured query language. It is utilized for requesting information from a database. SQL was designed by IBM research center in 1974 and 1975.



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Sarbpreet Gill Dec 7, 2018

SQL is used to communicate with a database. Some common management systems that use SQL are Oracle, Sybase, Microsoft SQL Server, Access, Ingres, etc. Although most database systems use SQL, they also have their own additional proprietary extensions that are usually only used on their system. However, the standard SQL commands such as "Select", "Insert", "Update", "Delete", "Create", and "Drop" can be used to complete about everything on a database.

Harkanchanpreet Dhaliwal Dec 7, 2018

SQL stands for structured query language. SQL programs that are used by business and other organizations is a way to access and manipulate data that is stored in databases.



Nirbha Sran Dec 7, 2018

<u>https://rcpmag.com/articles/2018/11/08/azure-sql-sql-server-2019-updates.aspx</u> Here is a link to a news article which talks about how SQL servers will be improving in 2019.

Harmit Basra Dec 7, 2018

SQL are used to perform tasks such as update data on a database, or retrieve data from a database.



Dilpreet Dhillon Dec 7, 2018

SQL programs are put in place by businesses and other organizations to access and manipulate the information and data that is stored in their databases.



Sahib Sohal Dec 7, 2018

SQL stands for Structured Query Language.SQL lets you access and manipulate databases. SQL became a American National Standards Institute in 1986 and became a part of the International



SQL is also known as Structured Query Language. It is an international standard for database manipulation (DML). DML is also a family of computer languages including commands permitting, which allows users to manipulate data. It is used on domain. SQL can also be used in apps such as Facebook. SQL has expressions, which are combinations of one or more values that evaluate to a value. The expressions are like formulas which are written in a query language.



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Nirbha Sran Dec 7, 2018

If you already have a career in computer programming or you are skilled in this area, learning the SQL basic could take as little as two to three weeks.



Ashanjot Sidhu Dec 7, 2018

SQL can be very simple to learn, here is a book that thoroughly describes what SQL is <u>https://www.amazon.ca/SQL-Minutes-Sams-Teach-Yourself/dp/0672336073</u>



Sarbpreet Gill Dec 7, 2018

<u>https://www.youtube.com/watch?v=HXV3zeQKqGY</u>: This video explains database management basics and SQL using the MySQL RDBMS. The course is designed for beginners to learn how to use SQL and database management systems, and will introduce common database management topics.



Sahib Sohal Dec 7, 2018

Here is a book rated with 4 and half stars on Amazon. <u>https://www.amazon.ca/SQL-Minutes-Sams-Teach-Yourself/dp/0672336073/ref=sr_1_1?ie=UTF8&qid=1544207376&sr=8-1&keywords=SQL</u>



Herleen Grewal Dec 7, 2018

SQL stands for Structured Query Language. It is used to communicate with a database. A database is a organized collection of data. SQL lets you access with many different databases. SQL retrieve data from a database. SQL can create new tables in a database. SQL can delete records from a database.

Nirbha Sran Dec 7, 2018

Here are 10 jobs which require SQL: Business Analyst Senior Software Engineer Senior Sql Server Database Administrator Quality Assurance Tester Net Developer Systems Administrator Software Engineer Sql Server Developer

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Mat use ogn me most are business Analyst, oemor oortware Engineer, ivet beveloper, oystems Administrator, Software Engineer.

Amitoj Brar Dec 7, 2018

Database is simply keeping track of things.



Esha Dhaliwal Dec 7, 2018

Data manipulation language often deals with the actual data that is stored in the database. This news article explains all about SQL and how to use it properly. <u>https://www.infoworld.com/article/3323393/sql/sql-tutorial-learn-sql-on-mariadb.html</u>



Harman Dhaliwal Dec 7, 2018

There are multiple uses of SQL including modifying tables as well as adding, deleting, and updating rows of data from a database.



Diljot Nanrhe Dec 7, 2018

SQL is a very beneficial language to learn, if you have previous experience in the field, you may be able to learn it in a very short amount of time.



Nirbha Sran Dec 7, 2018

Basically, SQL allows users to retrieve the specific data they are looking for when they need it.



Sarbpreet Gill Dec 7, 2018

<u>https://www.indeed.ca/jobs?q=sql&l=Abbotsford%2C%20BC&vjk=af235f2b05fb3878</u>: This is one job opening which requires individuals to use MY SQL



Esha Dhaliwal Dec 7, 2018

+<u>658629@dasmeshschool.com</u> What types of businesses use SQI to keep track of their information.



Harkanchanpreet Dhaliwal Dec 7, 2018

Here's a link to a book that explains what is SQL and database. <u>https://books.google.ca/books/about/Learning_SQL.html?</u> <u>id=YqubAgAAQBAJ&printsec=frontcover&source=kp_read_button&redir_esc=y#v=onepage&q&f=</u> <u>false</u>



Dilpreet Dhillon Dec 7, 2018

+647274@dasmeshschool.com wow very good point



Ashanjot Sidhu Dec 7, 2018

SQL is a much needed component in data management so there are multiple jobs that require the usage of SQL. These are just some of the jobs available in Vancouver that use SQL <u>https://ca.indeed.com/SQL-jobs-in-Vancouver,-BC</u>

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ICT 10 with MR JONES

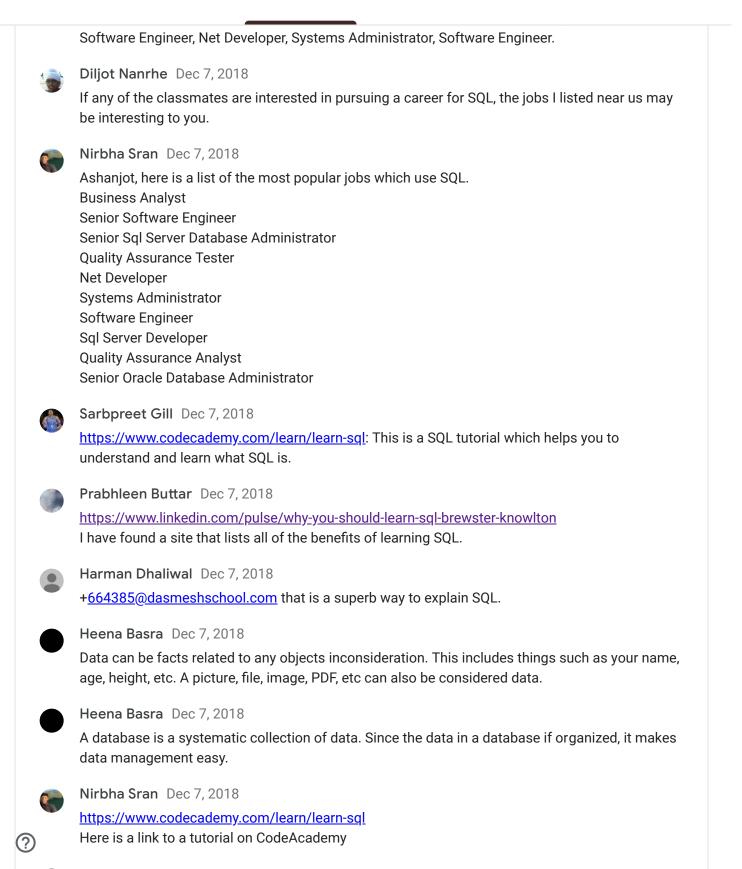
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Instructions Student work
Software Developer–Delphi/DB2/SQL/C#
TMW Systems
Langley, BC
via HackerX
SQL Server DBA
Plenty of Fish
Vancouver, BC
Sr. Data Modeler with SQL experience to do data analysis and
S.i. Systems
Vancouver, BC
Sr C# .NET developer - w/ Linq, SQL experience - to enhance suite
S.i. Systèmes
Vancouver, BC
SQL Database Administrator
Compugen Inc
Vancouver, BC
Sr C# .NET developer (MVC framework) - w/ Linq, SQL experience
S.i. Systems
Vancouver, BC
SQL DBA
TEKsystems, Inc
Vancouver, BC
SQL Database Administrator
MV Technologies
Vancouver, BC
Database Architect (SQL) for Blockchain Projects
Axiom Zen
Vancouver, BC

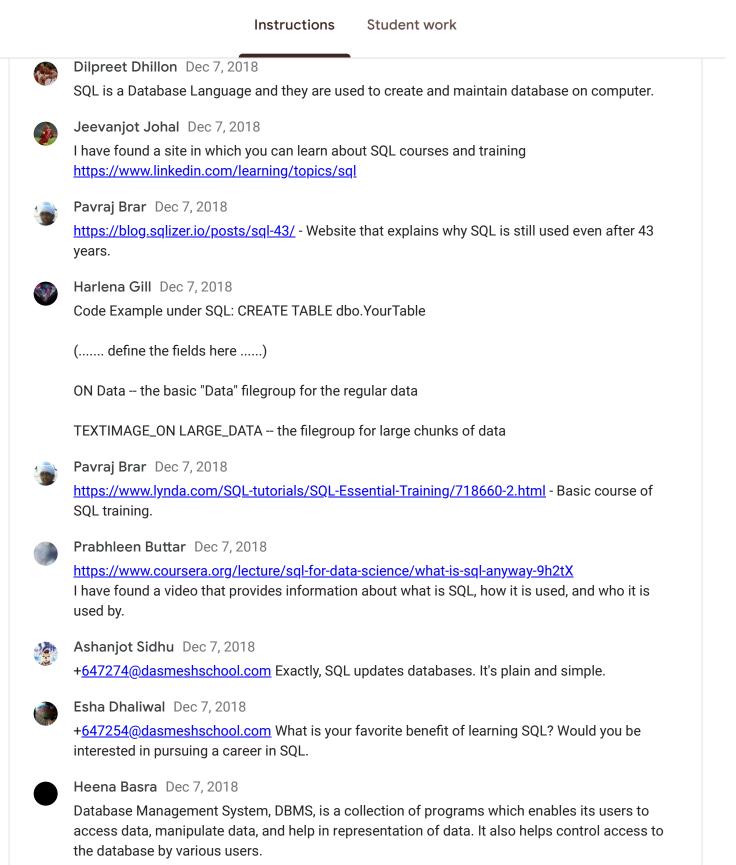


Harlena Gill Dec 7, 2018

+647154@dasmeshschool.com What are the 5 names of the different types of SQLs?

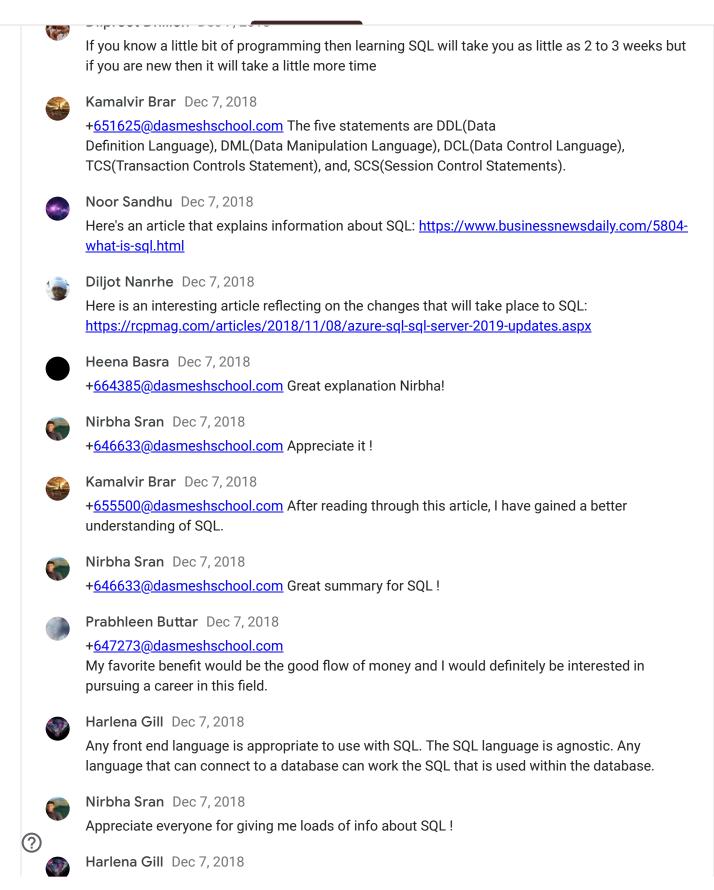


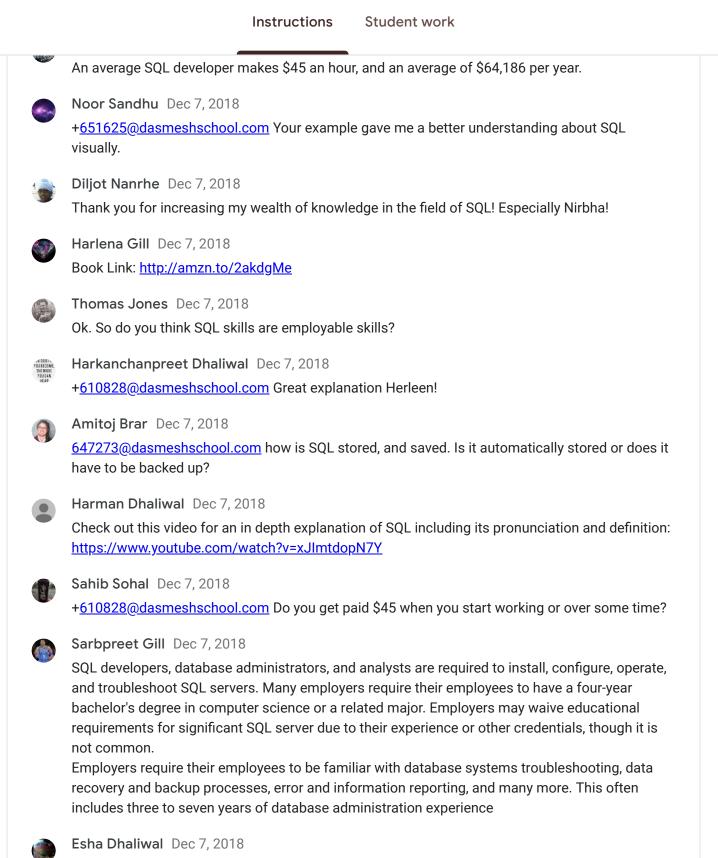
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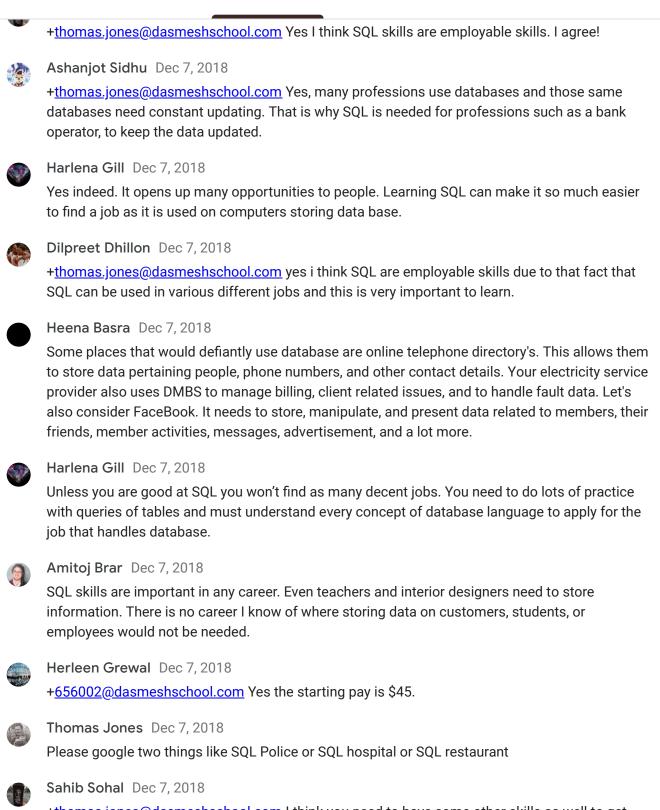
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Instructions Student work





Typically hospitals have Electronic Medical Record Systems which store all patient data. Which means that SQL will have to be used to access that data.



+<u>thomas.jones@dasmeshschool.com</u> I think you need to have some other skills as well to get higher positions in the job.

Nirbha Sran Dec 7, 2018

Here is a link to the SQL Library: https://knowthecode.io/library/sql



Sahib Sohal Dec 7, 2018

+<u>thomas.jones@dasmeshschool.com</u> Here is a website about police SQL <u>https://www.computerweekly.com/feature/SQL-Server-database-provides-police-performance-data-to-Home-Office</u>



Gurinderpal Nahar Dec 7, 2018

+<u>thomas.jones@dasmeshschool.com</u> Yes. because there are huge job prospects for the SQL/ Programming industry. This helps keep documents organized and tidy. In addition to this the jobs pay very well

Prabhleen Buttar Dec 7, 2018

+<u>thomas.jones@dasmeshschool.com</u> Yes, I do think SQL skills are employable because SQL is used all around us. For example, they are used in medical clinics as well where all of the patients data is stored.



Esha Dhaliwal Dec 7, 2018

+<u>663840@dasmeshschool.com</u> SQL is stored on a data base and contains a maximum file size of 220 TB.



Ashanjot Sidhu Dec 7, 2018

+<u>thomas.jones@dasmeshschool.com</u> I had googled SQL police and learned that he police use databases to keep charts that contain criminal records. SQL is used by the police to update these records. <u>http://people.scs.carleton.ca/~achan/teaching/comp1001/notes/COMP1001-06.pdf</u>



Harlena Gill Dec 7, 2018

Examples of how to utilize SQL at a hospital:

https://www.w3resource.com/sql-exercises/hospital-database-exercise/sql-exercise-on-hospitaldatabase.php



Heena Basra Dec 7, 2018

+<u>thomas.jones@dasmeshschool.com</u> SQL skills are 100% employable skills. Some jobs that require SQL skills are net developing, java-script developing, and database application developing, among other things.

Harman Dhaliwal Dec 7, 2018

Here is a link to jobs in Vancouver that utilize SQL: <u>https://ca.indeed.com/SQL-jobs-in-Vancouver,-</u> BC

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Sarbpreet Gill Dec 7, 2018

+<u>thomas.jones@dasmeshschool.com</u> Yes, due to there being lots of jobs which require the employee to use SQL servers such as MY SQL.It is beneficial if you do a course for SQL, since it increases the rate of a company to hire you due to them seeing you have completely learned how to use SQL.

Nirbha Sran Dec 7, 2018

+647273@dasmeshschool.com TB = terabytes



Gurinderpal Nahar Dec 7, 2018

SQL is used in restaurants for keeping track of orders and reviews. Furthermore for online food ordering services such as Skip The Dishes SQL assists the software developer in creating an application for ordering food as well as creating receipts.



Harlena Gill Dec 7, 2018

+<u>647154@dasmeshschool.com</u> I highly agree with you. It definitely opens up more job opportunities.



Heena Basra Dec 7, 2018

For a number of years, the Home Office's Police & Crimes Standards Directorate (PCSD) has been compiling and publishing a range of data on the performance of the nation's police forces. In June, 2007, it adopted an SQL Server 2005 database and other new technologies to give its end users quicker and better access to performance data, and new tools to analyse it more effectively.



Sahib Sohal Dec 7, 2018

+<u>655681@dasmeshschool.com</u> Yes, I also researched about the police SQL and I found similar information.



Heena Basra Dec 7, 2018

+655497@dasmeshschool.com Thanks for sharing this information Gurinder.



Thomas Jones Dec 7, 2018

Please tell me a type of business that doesnt use data or a database.

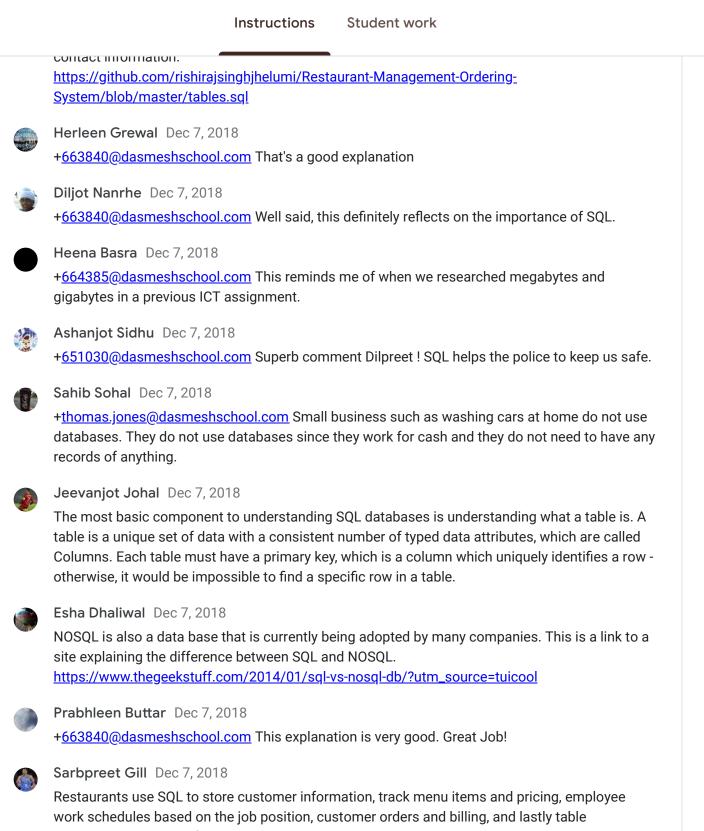


Dilpreet Dhillon Dec 7, 2018

SQL police is used to look for criminal records, to see how many crimes happen in the last month and what things someone stole



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booking/reservation information



Thomas Jones Dec 7, 2018

Google inventory and sql or School and sql or Dentist and sql

SITIALI DUSITIESS UUTTEUSE SQL, SUCH as a UUY walker of a Dabysitter.



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Heena Basra Dec 7, 2018

Restaurant database stores information of things such as customer information, menu items and pricing, employee work schedules based on job position, customer orders and billing, table booking and reservation information.



Prabhleen Buttar Dec 7, 2018

Lawyers also use SQL to store valuable information about their various cases. Some of this data is hard copy, but some is stored online.



Amitoj Brar Dec 7, 2018

Even if a job does not specifically request for SQL, having knowledge on SQL may make you top pick candidate for a job. If you are applying to become a teacher, and you have knowledge about SQL, a school may hire you over another person being interviewed because SQL knowledge can be useful to the school. Even if you may not need to use SQL, you can teach it to students who may pursue a career using SQL.



Kamalvir Brar Dec 7, 2018

There are many ways how databases help you in your daily life. <u>https://www.liquidweb.com/blog/ten-ways-databases-run-your-life/</u>

Noor Sandhu Dec 7, 2018

+<u>thomas.jones@dasmeshschool.com</u> Yes, SQI skills are employable. Currently there are multiple job offerings on WorkBC. These jobs range fro annual wages consisting f \$50 000- \$100 000. Mainly located in Vancouver and Burnaby. <u>https://www.workbc.ca/Jobs-Careers/Find-Jobs/Jobs.aspx?keywords=Sgl&modes=3,2</u>



Prabhleen Buttar Dec 7, 2018

Lawyer databases include information about their client, case details, and evidence provided.



Harman Dhaliwal Dec 7, 2018

SQL is used in health care, business, and even education.



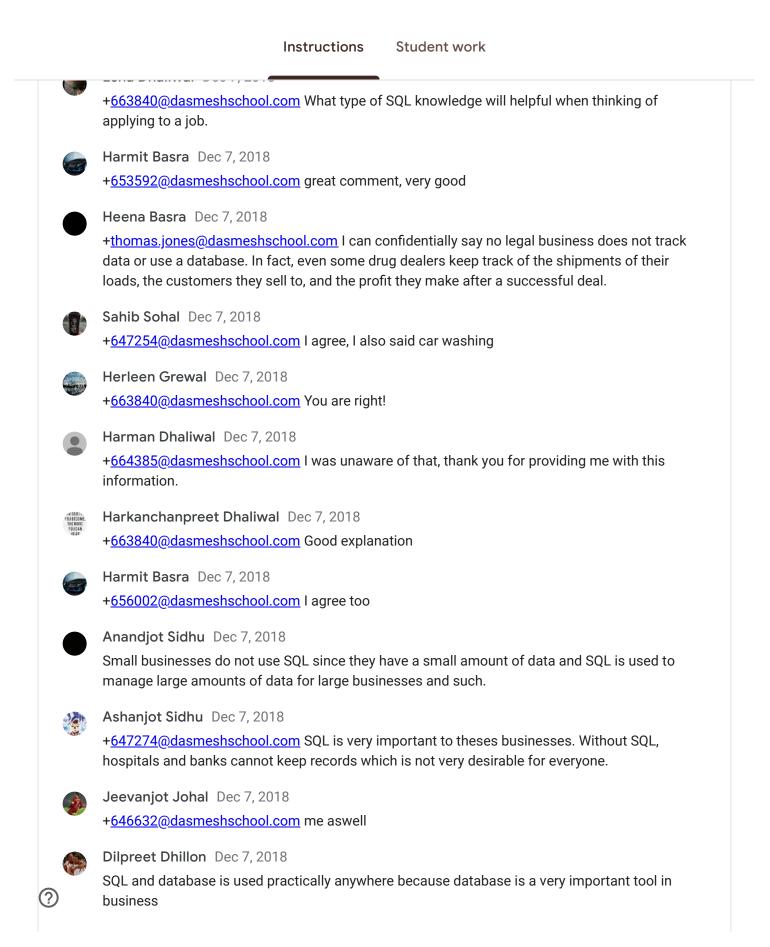
Amitoj Brar Dec 7, 2018

<u>610828@dasmeshschool.com</u> People who mow lawns in the summer also might not use database. A teenager is less than likely to keep track of all the places her went.



+647274@dasmeshschool.com very good explanation, good job





ICT 10 with MR JONES

Instructions Student work

- SQL can retrieve data from a database
- SQL can insert records in a database
- SQL can update records in a database
- SQL can delete records from a database
- SQL can create new databases
- SQL can create new tables in a database
- SQL can create stored procedures in a database
- SQL can create views in a database
- SQL can set permissions on tables, procedures, and views

Harmit Basra Dec 7, 2018

+651030@dasmeshschool.com nice comment

Harman Dhaliwal Dec 7, 2018 +<u>655681@dasmeshschool.com</u> I agree with you hospitals and banks need to keep records.



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Sahib Sohal Dec 7, 2018

+<u>684432@dasmeshschool.com</u> I agree, large business have many more responsibilities. They have a bigger business therefore they have to keep track of everything.

Dilpreet Dhillon Dec 7, 2018

+653592@dasmeshschool.com I didn't even know that, thank you



Harlena Gill Dec 7, 2018

+<u>647154@dasmeshschool.com</u> I had no idea the weather company uses 20 terabytes of data per day, wow that's a lot!

Harman Dhaliwal Dec 7, 2018 +<u>653592@dasmeshschool.com</u> great information, this is very helpful.



Sahib Sohal Dec 7, 2018 +653592@dasmeshschool.com Very helpful information



Harmit Basra Dec 7, 2018 +<u>647274@dasmeshschool.com</u> same here



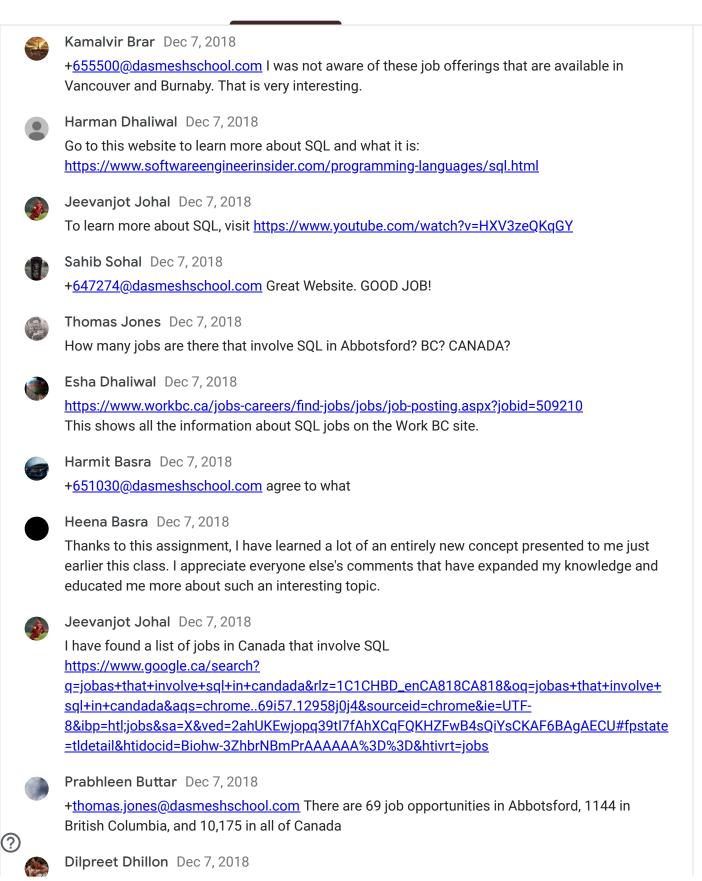
Heena Basra Dec 7, 2018

A list of jobs that require database and SQL skills are noted in the link I provided. <u>https://www.indeed.com/jobs?q=database&l=</u>

Sarbpreet Gill Dec 7, 2018



Instructions Student work



Herleen Grewal Dec 7, 2018 here are some jobs that require SQL. https://ca.indeed.com/jobs?q=SQL&I=BC

Amitoj Brar Dec 7, 2018

69 job openings related to SQL in Abbotsford, 1,144 in BC, and 10,159 SQL jobs Canada wide. https://www.indeed.ca/jobs?q=SQL&l=Canada



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Harman Dhaliwal Dec 7, 2018

Please visit the website to see jobs that involve SQL in Abbotsford: <u>https://ca.indeed.com/SQL-jobs-in-Abbotsford,-BC</u>

Thomas Jones Dec 7, 2018

Are there degrees and diplomas involving SQL. What does SFU or UBC or BCIT have?



Kamalvir Brar Dec 7, 2018

One job that requires using SQL is a pharmacist. I am looking forward to this career and hopefully after learning further about SQL, I can use it to store database. Visit this site to see what other jobs there are that use SQL in Abbotsford: <u>https://ca.indeed.com/SQL-jobs-in-Abbotsford,-BC</u>



Sarbpreet Gill Dec 8, 2018

This explains the course details for Applied Database Administration and Design which involve SQL programming: <u>https://www.bcit.ca/study/programs/6994acert</u>



Sarbpreet Gill Dec 8, 2018

+<u>646633@dasmeshschool.com</u> I agree, we have received much knowledge by do this assignment. I did not even have a clue what SQL was before this assignment but have learned that it i used in many occupations and business which I may deal with in the future therefore I is good to understand the general things about SQL.



Add class comment...