

GROUP PROJECT (LANGUAGE WARRIORS)

MEMBERS

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WHAT IS SQL?

Structured Query language (SQL) pronounced as "S-Q-L" or sometimes as "See-Quel" is the standard language for dealing with Relational Databases. A relational database defines relationships in the form of tables.

SQL programming can be effectively used to insert, search, update, delete database records.

That doesn't mean SQL cannot do things beyond that. It can do a lot of things including, but not limited to, optimizing and maintenance of databases.

Relational databases like MySQL Database, Oracle, Ms SQL Server, Sybase, etc. use SQL.

IMPORTANCE OF SQL

1. SQL is the most universal and commonly used database language.

We live in an era where data is the most valuable asset and it's being put at the heart of every decision making process. Despite the explosion of NoSQL in recent years, SQL is still making its way back to become the universal interface for data analysis once again.

2. It is not really difficult to learn SQL.

SQL is not a programming language, it's a query language. The primary objective where SQL was created was to give the possibility to common people to get interesting data from the database. It is also an English like the language so anyone who can use English at a basic level can write SQL queries easily.

The good news is that most DB engines are compatible with all SQL code. So once you learn SQL it should be similar to work across any relational databases.

3. SQL is one of the most sought-after skills by hiring employers.

Let's take a look at some actual numbers from the job market:

On Job Search | Indeed:

- There are **149,124** developer jobs in total (at the moment I did this quick research, Aug 8).
- Out of that number, there are **105,146** job listings that are either hiring SQL Developers or having SQL as a required skill.
- There are **35,306** SQL Developer jobs.
- **4. You can earn good money**
- Again, let the numbers from the job market speak itself. How much does a SQL Developer make in the United States?