How can you return the number of records in the "Books" table?

SELECT COUNT(\*) FROM Books

The SQL group functions MIN, MAX, AVG, COUNT and SUM can be used with columns defined with any data types. - false

lias → A short-cut way to temporarily rename a table in a SQL query,

Left Outer Join → Selects ALL rows from the left table and only matching rows from the right table, Subquery → A query inside another query,

MAX → A group function that returns the largest value from a set of values in one column, HAVING → Defines a condition that returns a subset of rows from an answer set,

Order By → Sorts an answer set into a specified sequence

How many different countries are represented by the customers in the "customers" table? select count(distinct country) from customers;

How would the JS expression 5 === '5' evaluate? False

Which statement below best describes JQuery?A Java Script Library

Linux is an open source version of Unix that was created by Linus Torvalds

What is the purpose of #! in a shell script? To identify the shell being executed

Which of the following [Linux commands](https://moodle.cs.colorado.edu/mod/resource/view.php?id=33155) is best for getting “help” on the syntax and format of a Linux command? Man

Scrum Master → A "coach" who keeps the Sprint Team following proper processes,

Sprint Team → a self-organizing group of developers that builds features,

Product Owner → Prioritizes the Feature Backlog

Which of the following phases is not a phase of the waterfall model? Document

Which of the following is NOT a key principle of managing projects according to the Agile/Scrum methodology? In each daily scrum, the Project Manager assigns tasks to each Sprint team member

The leading cause of project failure is that Project Managers do not effectively manage changes to project scope. . - TRUE

Which of the following commands sends your local work to the remote server? -git push

Who created git? Linus Torvalds

Which of the following is not a valid git command? -Git drop

Select the best answer from the list below describing trends in the use of public Web Services.

Approximately 70- 85% of public Web Services follow the RESTful architecture

Which of these is NOT a quality of a RESTful web service?Uses WSDL

Which statement(s) below BEST describes the difference between FUNCTIONAL and NON-FUNCTIONAL requirements? (Select all that apply) Functional requirements describe WHAT the system must do. , Non-Functional requirements describe HOW the system should function.

Which statement below is NOT part of the definition of [Full Stack Development](https://moodle.cs.colorado.edu/mod/url/view.php?id=33205)? The development process includes the Management Layer (Coordinates Admin Tasks across all layers.)

Which statement below best describes the "stateless" quality of a RESTful Web Service? Once the message transmission from client to server is complete, the server does not maintain session information.

----

The SQL INSERT command is used to add new rows of data to a table.

The SQL Where clause establishes a condition that causes the query to select a subset of rows from the input table(s).

What is the SQL clause used to sort a result set? ORDER BY

List the customerid, firstname, lastname for all customers from Brazil.: select customerid, firstname, lastname from customers where country = "Brazil";

People often display images on their web pages which are of two different types of files: .jpg and .gif. Which of the following statements comparing .gif files to .jpg files is NOT true. -jpg files compress nicely while gif files lose quality when compressed

What is the purpose of the <meta> tag in the <head> section of an [HTML](https://moodle.cs.colorado.edu/mod/resource/view.php?id=33211) page? The correct answer is: It provides information for web crawlers and search engines

How can a JS program reference all elements with a certain class name?document.getElementsByClassName

How would the JS expression 5 == '5' evaluate? True

Using grep and piping to wc, how do you count all of the empty lines in the file, filename.txt grep '^$' filename.txt | wc -l

What command can you use to force a process to stop? Kill

Which command shows where the user currently is in the file directory- PWD

The waterfall model of software development is:A reasonable approach when requirements are set and well defined.

Which of the following are from the Agile Manifesto? Working software over comprehensive documentation, Individuals and interactions over processes and tools

During a daily scrum, sprint team members take turns answering which of these questions (mark all that apply.) What have I completed since the last scrum?, What will I complete by the next scrum?, What obstacles are blocking my progress?

Industry experts estimate that somewhere between 20-30% of IT Projects fail. -FALSE

git diff → compares two versions of a git-managed file,

git add → stages a file under git tracking making it ready for a commit,

git log → shows a record of recent commits,

git checkout → moves the HEAD pointer to a different branch making that branch active,

git init → creates an empty local repository,

git commit → copies a staged file into the local git repository

Which of the following are valid git repository providers? (Select all that apply.) github, gitlab, BitBucket

The larger a team gets, the more difficult it is to maintain good communication.

Which of the following are correct statements about REST web service architecture?REST APIs can be cacheable, REST APIs can use HTTP POST calls

Which of these is NOT a quality of a RESTful web service? Uses WSDL

Which of the requirements statements below describe(s) a functional requirement? (Mark all that apply)The system should provide the ability for users to search for text strings across all their documents.

Which statement below is NOT part of the definition of [Full Stack Development](https://moodle.cs.colorado.edu/mod/url/view.php?id=33205)?The development process includes the Management Layer (Coordinates Admin Tasks across all layers.)

Which statement below best describes the "stateless" quality of a RESTful Web Service? Once the message transmission from client to server is complete, the server does not maintain session information.

Remember when performing comparisons, the equality operator (==) will attempt to make the data types the same before proceeding. On the other hand, the identity operator (===) requires both data types to be the same, as a prerequisite.

Shell comment = #

#! = shebangIn [Unix-like](https://en.wikipedia.org/wiki/Unix-like) operating systems, when a text file with a shebang is used as if it is an executable, the [program loader](https://en.wikipedia.org/wiki/Loader_(computing)) mechanism parses the rest of the file's initial line as an [interpreter directive](https://en.wikipedia.org/wiki/Interpreter_directive).

Chmod- **chmod** is the [command](https://en.wikipedia.org/wiki/Command_(computing)) and [system call](https://en.wikipedia.org/wiki/System_call) which is used to change the [access permissions](https://en.wikipedia.org/wiki/File_system_permissions) of [file system](https://en.wikipedia.org/wiki/File_system) objects

Budget, client timeline,

TDD - Test driven development

SQL: Tables can also be called relation

Row are tuples

Columns are attributes

Primary key - not a null identifier, a unique identifier for every single tuple

Foreign keys- ex:course id, can’t map to stuff that doesn’t exist

DDL is short name of Data Definition Language, which deals with database schemas and descriptions, of how the data should reside in the database.

* [CREATE](https://www.w3schools.in/mysql/php-mysql-create/) - to create a database and its objects like (table, index, views, store procedure, function, and triggers)
* ALTER - alters the structure of the existing database
* DROP - delete objects from the database
* TRUNCATE - remove all records from a table, including all spaces allocated for the records are removed
* COMMENT - add comments to the data dictionary
* RENAME - rename an object

DML is short name of Data Manipulation Language which deals with data manipulation and includes most common SQL statements such SELECT, INSERT, UPDATE, DELETE, etc., and it is used to store, modify, retrieve, delete and update data in a database.

* [SELECT](https://www.w3schools.in/mysql/php-mysql-select/) - retrieve data from a database
* [INSERT](https://www.w3schools.in/mysql/php-mysql-insert/) - insert data into a table
* [UPDATE](https://www.w3schools.in/mysql/php-mysql-update/) - updates existing data within a table
* [DELETE](https://www.w3schools.in/mysql/php-mysql-delete/) - Delete all records from a database table
* MERGE - UPSERT operation (insert or update)
* CALL - call a PL/SQL or Java subprogram
* EXPLAIN PLAN - interpretation of the data access path
* LOCK TABLE - concurrency Control

REGEX

