Adding Persistence to Web APIs Questions

1. Explain the difference between RDBMS and SQL.

RDBMS is an application that manages a relational database by accepting SQL based commands. Whereas SQL is a specification for a language to perform Structured Queries upon data. The implementations are varied dependent upon vendor but the specification stands true in all of the implementations.

1. Why do tables need a primary key?

Tables need a primary key because there is a need to distinguish data into single entities within a subset of a database and though this can actually be performed in different methodologies it all boils down to needing a unique key that is persistent across the table.s

1. What is the name given to a table column that references the primary key on another table?

The name given to a table column that references the primary key on another table is a foreign key

1. What do we need in order to have a many to many relationship between two tables?

In order to create a many to many relationship between two tables we need to create a intermediary table that will have a one to many relationship with both tables.

1. What SQL statement is used to retrieve data from a table?

A SELECT statement is used to retrieve data from a table by way of syntax where table name is posts: SELECT \* FROM posts

1. What SQL clause is used to filter the results of a query?

The WHERE clause is used to filter results of a query