**Define a *Temp Table***

In a nutshell, a **temp table** is a temporary storage structure. Basically, you can use a temp table to store data temporarily so you can manipulate and change it before it reaches its destination format.

**What is a VIEW?**

A **view** is simply a virtual table that is made up of elements of multiple physical or “real” tables. Views are most commonly used to join multiple tables together, or control access to any tables existing in background server processes.

**What is PRIMARY KEY?**

A primary key, also called a primary keyword, is a column in a relational database table that's distinctive for each record. It's a unique identifier, such as a driver's license number, telephone number with area code or vehicle identification number (VIN).

**What is *Normalisation*?**

**What is DEFAULT?**

**What is FOREIGN KEY?**

**What is the difference between TRUNCATE and DELETE?**

**What is the difference between *Data Definition Language (DDL)* and *Data Manipulation Language (DML)*?**

**Define ACID Properties**

**Discuss INNER JOIN ON vs WHERE clause (with multiple FROM tables)**

**What is the difference between INNER JOIN and OUTER JOIN?**

**What is the difference between JOIN and UNION?**

**What is the difference between UNION and UNION ALL?**

**What is the difference between WHERE clause and HAVING clause?**

**What is the difference between INNER JOIN, OUTER JOIN, FULL OUTER JOIN?**

**Describe the difference between truncate and delete**

**What is Denormalization?**

**What are the difference between *Clustered* and a *Non-clustered* index?**

**How does a *Hash* index work?**

**How a database index can help performance?**

**What's the difference between a *Primary Key* and a *Uniue Key*?**

**What is *Collation*?**

**How can VIEW be used to provide *security layer* for your app?**

**What’s the difference between*Azure SL Database* and *Azure SL Managed Instance*?**

**What is the *cost* of having a database *index*?**

**How does *B-trees Index* work?**

**Explain the difference between *Exclusive Lock* and *Update Lock***

**What is the difference among UNION, MINUS and INTERSECT?**

**What is faster, *one big* uery or *many small* ueries?**

**What is *Optimistic Locking* and *Pessimistic Locking*?**

**How does database *Indexing* work?**

**What are some *other* types of Indexes (vs B-Trees)?**

**Name some disadvantages of a *Hash index***

**What is the difference between *B-Tree*, *R-Tree* and *Hash* indexing?**

**What is *Index Cardinality* and why does it matter?**

**Find *duplicate* values in a SL table**

**How to select first 5 records from a table?**

**How can I do an UPDATE statement with JOIN in SL?**

**How does TRUNCATE and DELETE operations effect *Identity*?**

**How to generate row number in SL *without* ROWNUM**

**How can we *transpose* a table using SL (changing rows to column or vice-versa)?**

**What would happen *without* an Index?**

**Delete *duplicate* values in a SL table**

**Select first row in each GROUP BY group (greatest-n-per-group problem)?**