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3/30/2021

1. How do you preserve Database integrity?

By normalization method and remove redundant data as well as removing all partial and transitive dependencies. Also, by verifying and check constraints.

2. How would you write an SQL query to return all records with empty values in a given column?

```
SELECT * FROM <given table> WHERE <given column> IS NULL;
```

3. in an SQL column, what is the difference between a null value and a blank value?

A NULL value means no value set but a Blank value ("") means an empty string

4. write an SQL query to return all records where values in a given column are capitalized?

```
SELECT INITCAP( given column) FROM table;
```

5. in your own words, explain how joins work in relational databases

Joins in SQL allow selecting rows(records) from more than one table as long as there is a common column between tables.