**SQL ASSIGNMENT**

1. Explain SQL and it's uses?

SQL stands for the Structure Query Language. It's used basically to Query a database, manipulate data and also load data. Its flexible which can interact with different programming language like php, java, html and alots more. Data's are stored in form of table (rows and columns)

USES

1. SQL is used to create Database.

2. It's used  to store data

3. It's used to manipulate data in database

4. It's used to retrieve Data from database

5. It's used to load data to database

6. It's it's used for database relationship

2. What's DBMS?

DBMS means Database Management System. It is a program used to maintain a relational database.

3. Show how to create a database and a table in SQL?

To create a database the command to input is ;

CREATE DATABASE database\_name;

With the above command the database will be successfully created.

Table is been created after which a database had been created by using the command format below;

CREATE TABLE table\_name ( column 1 datatype, column 2 datatype, column 2 datatype,.....);

4. Explain the following SQL Aggregate functions with practical examples at least 2; sum(), Avg(), MIN(), MAX()?

SUM() is an aggregate function that gives the Total addition of a particular column in a table that's numeric.

AVG() is an aggregate function that gives the average value of a particular column in a table that's in numeric form.

MIN() is an aggregate function that gives back the smallest value of a selected column in a table.

MAX() is an aggregate function that gives back the highest/largest value of a selected column in a table .

5.  Explain the following date functions; NOW(), DATE\_ADD(), DATE\_SUB, ATEDIFF()?

NOW() is a date function that returns the current date and time. Which is returned as ‘YYYY-MM-DD-HH-MM-SS.

DATE\_ADD() is a date function adds a time/date interval to a date and then returns the date.

DATE\_SUB() is a date function that subtracts a time/date interval from a date and then returns the date.

DATEDIFF() is a date function that returns the number of days between two date values.

6. Explain BETWEEN and it's use\_case in SQL?

The BETWEEN operator selects values within a given range.

It's used to know values that falls in-between a particular range..

For instance;

SELECT \* FROM table\_name

WHERE column\_name BETWEEN 10 AND 50;

The result will be value's that falls in-between 10 and 50



