Assignment No:3(Group B)

----------------------------------------------------------------------------------------------------------------------

Title: Execute the aggregate functions like count, sum, avg etc. on the suitable database. Make use of built in functions according to the need of the database chosen. Retrieve the data from the database based on time and date functions like now (), date (), day (), time () etc. Use group by and having clauses.

Batch No: T1 Roll No:06

------------------------------------------------------------------------------------------------------------------------

mysql> use tejas;

mysql> select \* from EMP;

+--------+--------+-----------+------+------------+------+------+---------+

| EMP\_ID | ENAME | JOB | MGR | HIREDATE | SAL | COMM | DEPT\_NO |

+--------+--------+-----------+------+------------+------+------+---------+

| 7369 | Smith | clerk | 7902 | 1980-06-17 | 800 | NULL | 20 |

| 7499 | Allen | Saleman | 7698 | 1981-12-20 | 1600 | 300 | 30 |

| 7521 | Ward | Saleman | 7698 | 1981-02-22 | 1250 | 500 | 30 |

| 7566 | Jones | Manager | 7839 | 1981-04-02 | 2975 | NULL | 20 |

| 7654 | Martin | Saleman | 7698 | 1981-09-28 | 1250 | 1400 | 30 |

| 7698 | Blake | Manager | 7839 | 1981-05-01 | 2850 | NULL | 30 |

| 7782 | Clark | Manager | 7539 | 1981-06-09 | 2450 | NULL | 10 |

| 7788 | Scott | Analyst | 7566 | 1981-04-19 | 1600 | NULL | 20 |

| 7839 | King | President | NULL | 1981-11-17 | 5250 | NULL | 10 |

| 7844 | Turner | saleman | 7698 | 1981-09-08 | 1500 | 0 | 10 |

| 7876 | Adams | clerk | 7876 | 1981-05-23 | 1100 | 0 | 10 |

| 7900 | James | clerk | 7698 | 1981-12-03 | 800 | NULL | 30 |

+--------+--------+-----------+------+------------+------+------+---------+

12 rows in set (0.00 sec)

mysql> select sum(sal) as "sum",min(sal) as "min",max(sal) as "max",avg(sal) as "avg" from EMP;

+-------+------+------+-----------+

| sum | min | max | avg |

+-------+------+------+-----------+

| 23175 | 800 | 5000 | 1931.2500 |

+-------+------+------+-----------+

1 row in set (0.10 sec)

mysql> select count(\*),count(distinct sal) from EMP;

+----------+---------------------+

| count(\*) | count(distinct sal) |

+----------+---------------------+

| 12 | 9 |

+----------+---------------------+

1 row in set (0.08 sec)

mysql> select now();

+---------------------+

| now() |

+---------------------+

| 2017-10-03 07:34:10 |

+---------------------+

1 row in set (0.06 sec)

mysql> select date('2014-12-02');

+--------------------+

| date('2014-12-02') |

+--------------------+

| 2014-12-02 |

+--------------------+

1 row in set (0.06 sec)

mysql> select date('2014-12-02 13:00:00');

+-----------------------------+

| date('2014-12-02 13:00:00') |

+-----------------------------+

| 2014-12-02 |

+-----------------------------+

1 row in set (0.00 sec)

mysql> select day('2014-12-02');

+-------------------+

| day('2014-12-02') |

+-------------------+

| 2 |

+-------------------+

1 row in set (0.02 sec)

mysql> select day('2014-12-02 13:00:00');

+----------------------------+

| day('2014-12-02 13:00:00') |

+----------------------------+

| 2 |

+----------------------------+

1 row in set (0.00 sec)

mysql> select time('2014-12-02 13:00:00');

+-----------------------------+

| time('2014-12-02 13:00:00') |

+-----------------------------+

| 13:00:00 |

+-----------------------------+

1 row in set (0.00 sec)

mysql> select time( '13:00:00');

+-------------------+

| time( '13:00:00') |

+-------------------+

| 13:00:00 |

+-------------------+

1 row in set (0.00 sec)

mysql> select ENAME,SAL from EMP group by ENAME,SAL;

+--------+------+

| ENAME | SAL |

+--------+------+

| adams | 1100 |

| allen | 1600 |

| blake | 2850 |

| clark | 2450 |

| james | 800 |

| jones | 2975 |

| king | 5000 |

| martin | 1250 |

| scott | 1600 |

| smith | 800 |

| turner | 1500 |

| ward | 1250 |

+--------+------+

12 rows in set (0.00 sec)

mysql> select DEPT\_NO,sum(sal) from EMP group by DEPT\_NO having DEPT\_NO=10;

+---------+----------+

| DEPT\_NO | sum(sal) |

+---------+----------+

| 10 | 10300 |

+---------+----------+

1 row in set (0.00 sec)