ABHINAV. U
S5 CSE
Roll no: 5

# Question -1

→ CREATE DATABASE STUDENT;

→ USE student;

→ Create table Data (reg_no int not null, name varchar (25), sex char(1), dept varchar (25));

→ Insert into Data (reg_no, name, sex, dept) values
> (1001, 'Abhinav', 'M', 'CSE');
> (1002, 'Achary', 'M', 'CSE');
> (1004, 'Fukru', 'M', 'EEE');
> (1005, 'Wassemji', 'N', 'ME'),
> (1007, 'Lamiya', 'F', 'EEC'),
> (1006, 'Sobin raj', 'M', 'IT'),
> (1008, 'Muninu', 'F', 'CSE'),
> (1009, 'Ramshid', 'M', 'CE'),
> (1010, 'Panju', 'F', 'EEE');

→ SELECT sex from Data;

→ SELECT sex from Data Group by sex;

→ SELECT name, dept from Data;

→ select name, dept from Data Group by dept;

→ Select name, dept from data Group by dept Having dept = 'CSE' ;

→ Select reg-no, name, dept from Data Order by name ;

→ Select reg-no, name, dept from Data Order by dept ;

→ Select reg-no, name, dept from Data order by 1 Desc;

→ Select reg-no, name, dept from data order by 3 desc ;

→ Drop database student ;

```
MySQL 8.0 Command Line Client - Unicode

mysql> use student;
Database changed
mysql>  create table Data(reg_no int not null, name varchar(25), sex char(1), dept varchar(25));
Query OK, 0 rows affected (0.08 sec)

mysql> insert into Data(reg_no, name, sex, dept) values
    -> (1001,'Abhinav','M','CSE'),
    -> (1002,'Achary','M','CSE'),
    -> (1004,'Fukru','M','EEE'),
    -> (1005,'Wassemji','M','ME'),
    -> (1006,'Lamiya','F','EEC'),
    -> (1007,'Jobin Raj','M','IT'),
    -> (1008,'Minnu','F','CSE'),
    -> (1009,'Ramshid','M','CE'),
    -> (1010,'Panju','F','EEE');
Query OK, 9 rows affected (0.01 sec)
Records: 9  Duplicates: 0  Warnings: 0

mysql> SELECT sex FROM Data;
+------+
| sex  |
+------+
| M    |
| M    |
| M    |
| M    |
| F    |
| M    |
| F    |
| M    |
| F    |
+------+
9 rows in set (0.00 sec)

mysql>  SELECT sex FROM Data GROUP BY sex;
+------+
| sex  |
+------+
| M    |
| F    |
+------+
2 rows in set (0.00 sec)

mysql> SELECT `name`, 'dept' FROM `Data`;
ERROR 1054 (42S22): Unknown column ''dept'' in 'field list'
mysql> SELECT name, dept FROM Data;
+-----------+------+
| name      | dept |
+-----------+------+
```

```
+----------+------+
| name     | dept |
+----------+------+
| Abhinav  | CSE  |
| Achary   | CSE  |
| Fukru    | EEE  |
| Wassemji | ME   |
| Lamiya   | EEC  |
| Jobin Raj| IT   |
| Minnu    | CSE  |
| Ramshid  | CE   |
| Panju    | EEE  |
+----------+------+
9 rows in set (0.00 sec)

mysql> SELECT name, dept FROM Data GROUP BY dept;
+----------+------+
| name     | dept |
+----------+------+
| Abhinav  | CSE  |
| Fukru    | EEE  |
| Wassemji | ME   |
| Lamiya   | EEC  |
| Jobin Raj| IT   |
| Ramshid  | CE   |
+----------+------+
6 rows in set (0.00 sec)

mysql> SELECT `name`, 'dept' FROM `Data` GROUP BY 'dept' HAVING 'dept' =
    -> CSE;
ERROR 1054 (42S22): Unknown column ''dept'' in 'field list'
mysql> SELECT name, dept FROM Data GROUP BY dept HAVING dept = CSE;
ERROR 1054 (42S22): Unknown column 'CSE' in 'having clause'
mysql> SELECT name, dept FROM Data GROUP BY dept HAVING dept = 'CSE';
+---------+------+
| name    | dept |
+---------+------+
| Abhinav | CSE  |
+---------+------+
1 row in set (0.00 sec)

mysql> SELECT reg_no, name, dept FROM Data ORDER BY name;
+--------+----------+------+
| reg_no | name     | dept |
+--------+----------+------+
|   1001 | Abhinav  | CSE  |
|   1002 | Achary   | CSE  |
|   1004 | Fukru    | EEE  |
|   1007 | Jobin Raj| IT   |
|   1006 | Lamiya   | EEC  |
```

```
+---------+-----------+-------+
| reg_no  | name      | dept  |
+---------+-----------+-------+
|    1001 | Abhinav   | CSE   |
|    1002 | Achary    | CSE   |
|    1004 | Fukru     | EEE   |
|    1007 | Jobin Raj | IT    |
|    1006 | Lamiya    | EEC   |
|    1008 | Minnu     | CSE   |
|    1010 | Panju     | EEE   |
|    1009 | Ramshid   | CE    |
|    1005 | Wassemji  | ME    |
+---------+-----------+-------+
9 rows in set (0.00 sec)

mysql> SELECT reg_no, name, dept FROM Data ORDER BY dept;
+---------+-----------+-------+
| reg_no  | name      | dept  |
+---------+-----------+-------+
|    1009 | Ramshid   | CE    |
|    1001 | Abhinav   | CSE   |
|    1002 | Achary    | CSE   |
|    1008 | Minnu     | CSE   |
|    1006 | Lamiya    | EEC   |
|    1004 | Fukru     | EEE   |
|    1010 | Panju     | EEE   |
|    1007 | Jobin Raj | IT    |
|    1005 | Wassemji  | ME    |
+---------+-----------+-------+
9 rows in set (0.00 sec)

mysql> SELECT 'reg_no', `name`, 'dept' FROM `Data` ORDER BY 1 DESC;
ERROR 1054 (42S22): Unknown column ''reg_no'' in 'field list'
mysql> SELECT reg_no, name, dept FROM Data ORDER BY 1 DESC;
+---------+-----------+-------+
| reg_no  | name      | dept  |
+---------+-----------+-------+
|    1010 | Panju     | EEE   |
|    1009 | Ramshid   | CE    |
|    1008 | Minnu     | CSE   |
|    1007 | Jobin Raj | IT    |
|    1006 | Lamiya    | EEC   |
|    1005 | Wassemji  | ME    |
|    1004 | Fukru     | EEE   |
|    1002 | Achary    | CSE   |
|    1001 | Abhinav   | CSE   |
+---------+-----------+-------+
9 rows in set (0.00 sec)

mysql> SELECT reg_no, name, dept FROM Data ORDER BY 3 DESC;
```

```
mysql> SELECT reg_no, name, dept FROM Data ORDER BY 3 DESC;
+--------+-----------+------+
| reg_no | name      | dept |
+--------+-----------+------+
|   1005 | Wassemji  | ME   |
|   1007 | Jobin Raj | IT   |
|   1004 | Fukru     | EEE  |
|   1010 | Panju     | EEE  |
|   1006 | Lamiya    | EEC  |
|   1001 | Abhinav   | CSE  |
|   1002 | Achary    | CSE  |
|   1008 | Minnu     | CSE  |
|   1009 | Ramshid   | CE   |
+--------+-----------+------+
9 rows in set (0.00 sec)

mysql> drop database student;
Query OK, 1 row affected (0.04 sec)

mysql>
```