



DBMS EXPERIMENT-6:

SELECT with various clause – GROUP BY, HAVING, ORDER BY

Create table Project with the fields S_No, P_Name, Coordinators, P_Price, and Location.

Select the rows in the table using Group by clause for Location. Select the rows in the table order by Coordinators

OUTPUT:

```
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 46
Server version: 8.0.31 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database nayan;
Query OK, 1 row affected (0.16 sec)

mysql> use nayan;
Database changed
mysql> create table Project(S_NO int(10),P_NAME char(10),Coordinators char(10),Price int(10),Location char(10));
Query OK, 0 rows affected, 2 warnings (0.97 sec)

mysql> describe Project;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| S_NO  | int  | YES  |     | NULL    |       |
| P_NAME | char(10) | YES  |     | NULL    |       |
| Coordinators | char(10) | YES  |     | NULL    |       |
| Price | int  | YES  |     | NULL    |       |
| Location | char(10) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.02 sec)

mysql> insert into Project values(1,'polavaram','manager',3000,'krishna'),(2,'mandi','engineer',5000,'rama'),(3,'dandu','supervisor',7000,'omo');
Query OK, 3 rows affected (0.15 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> select Location,count(Location) from Project group by Location;
+-----+-----+
| Location | count(Location) |
+-----+-----+
| krishna  | 1                |
| rama     | 1                |
| omo      | 1                |
+-----+-----+
3 rows in set (0.06 sec)

mysql> select Location,count(Price) from Project group by Location;
+-----+-----+
| Location | count(Price) |
+-----+-----+
| krishna  | 1            |
+-----+-----+
```



```
mysql> use nayan;
Database changed
mysql> create table Project(S_NO int(10),P_NAME char(10),Coordinators char(10),Price int(10),Location char(10));
Query OK, 0 rows affected, 2 warnings (0.97 sec)

mysql> describe Project;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| S_NO  | int  | YES  |     | NULL    |       |
| P_NAME | char(10) | YES  |     | NULL    |       |
| Coordinators | char(10) | YES  |     | NULL    |       |
| Price | int  | YES  |     | NULL    |       |
| Location | char(10) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.02 sec)

mysql> insert into Project values(1,'polavaram','manager',3000,'krishna'),(2,'mandi','engineer',5000,'rama'),(3,'dandu','supervisor',7000,'omo');
Query OK, 3 rows affected (0.15 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> select Location,count(Location) from Project group by Location;
+-----+-----+
| Location | count(Location) |
+-----+-----+
| krishna  | 1                |
| rama     | 1                |
| omo      | 1                |
+-----+-----+
3 rows in set (0.06 sec)

mysql> select Location,count(Price) from Project group by Location;
+-----+-----+
| Location | count(Price) |
+-----+-----+
| krishna  | 1            |
| rama     | 1            |
| omo      | 1            |
+-----+-----+
3 rows in set (0.00 sec)

mysql> select S_NO,P_NAME from Project order by Coordinators;
+-----+-----+
| S_NO | P_NAME |
+-----+-----+
| 2    | mandi  |
| 1    | polavaram |
| 3    | dandu  |
+-----+-----+
3 rows in set (0.11 sec)
```