

JOINS

P.Sahith Sai

Reg.No:192425029

Roll.No:31

Activity:-

```
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 8.0.44 MySQL Community Server - GPL

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owners.

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

mysql> create database College;
Query OK, 1 row affected (0.07 sec)

mysql> use college;
Database changed
mysql> CREATE TABLE Student (RegNo INT, Name VARCHAR(15),CID INT);
Query OK, 0 rows affected (0.09 sec)

mysql> CREATE TABLE Courses (CID INT , CName VARCHAR(100),INSName VARCHAR(100));
Query OK, 0 rows affected (0.09 sec)

mysql> Desc Student;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| RegNo | int           | YES  |     | NULL    |       |
| Name  | varchar(15)   | YES  |     | NULL    |       |
| CID   | int           | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> Desc Courses;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| CID   | int           | YES  |     | NULL    |       |
| CName | varchar(100)   | YES  |     | NULL    |       |
| INSName | varchar(100) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> INSERT INTO Student VALUES(1,'A',101),(2,'B',102),(3,'C',103),(4,'C',104);
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> INSERT INTO Courses VALUES(101,'CNS','Ravi'),(102,'DBMS','Raju'),(103,'DS','Raja'),(104,'OS','Rani');
Query OK, 4 rows affected (0.06 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> SELECT Student.Name,Courses.CName,Courses.INSName from Student INNER JOIN Courses ON Student.CID=Courses.CID;
+-----+-----+-----+
| Name | CName | INSName |
+-----+-----+-----+
| A    | CNS   | Ravi    |
| B    | DBMS  | Raju    |
| C    | DS    | Raja    |
| C    | OS    | Rani    |
+-----+-----+-----+
4 rows in set (0.06 sec)

mysql> SELECT Student.RegNo,Student.Name,Courses.CName,Courses.INSName from Student INNER JOIN Courses ON Student.CID=Courses.CID;
+-----+-----+-----+-----+
| RegNo | Name | CName | INSName |
+-----+-----+-----+-----+
| 1     | A    | CNS   | Ravi    |
| 2     | B    | DBMS  | Raju    |
| 3     | C    | DS    | Raja    |
| 4     | C    | OS    | Rani    |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```