

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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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)
```