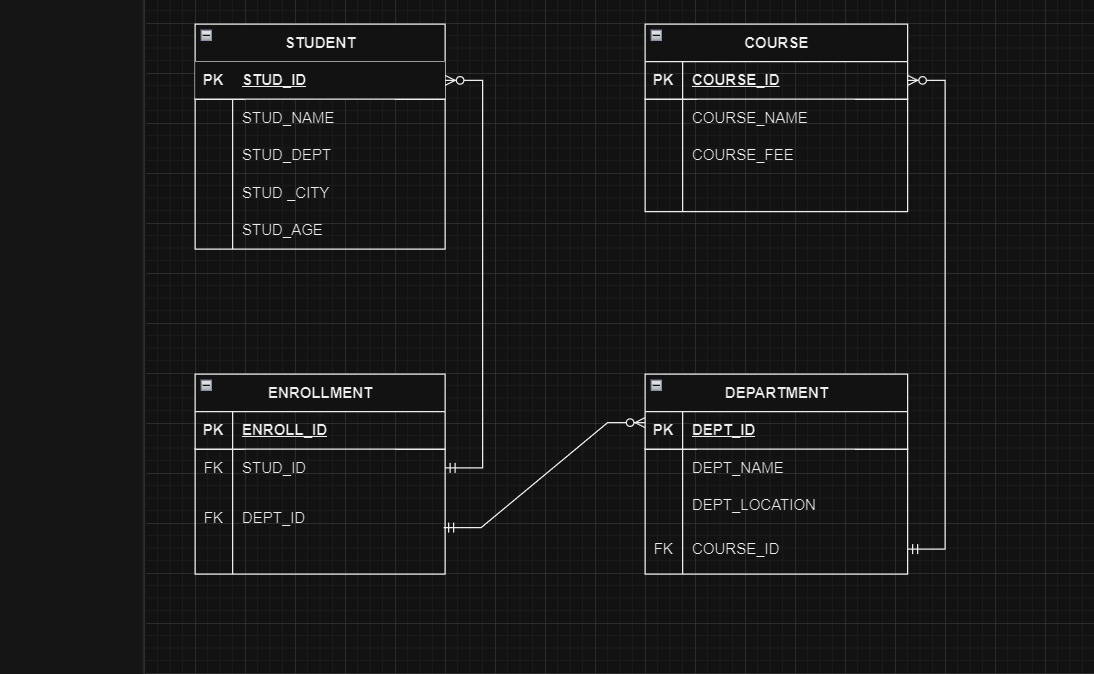
SKN COLLEGE DATABASE MANAGEMENT

**1 ) Introduction**

College Data Management System gives a straightforward interface to support of understudy data, staff information,attendance,fee record. It very well may be utilized by instructive establishments or schools to keep up the records of understudies without any problem. KK

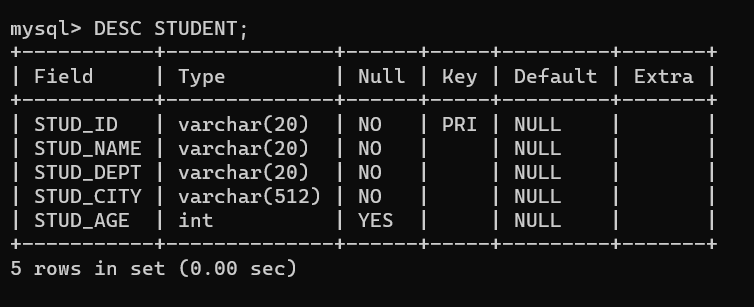
**2) E-R Diagram :**



**3) Structure of Tables :**

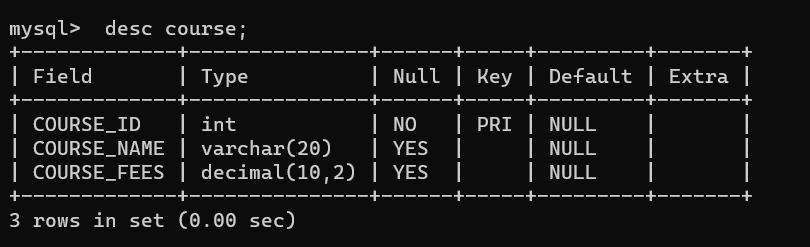
**3) Student-**

This table stores information about each student such as id,name,department,city age.

****

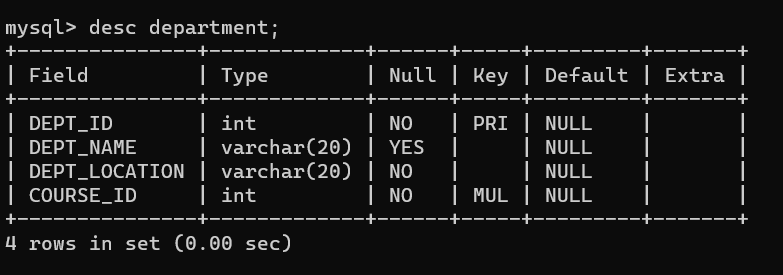
**Course-**

This table contain all information about each couse such as id,name,fees.



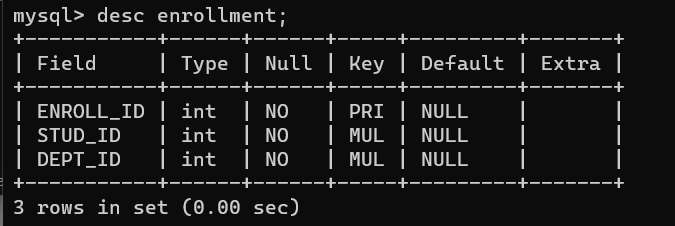
**Department-**

This table contain all information about each department such as id,name,location

.

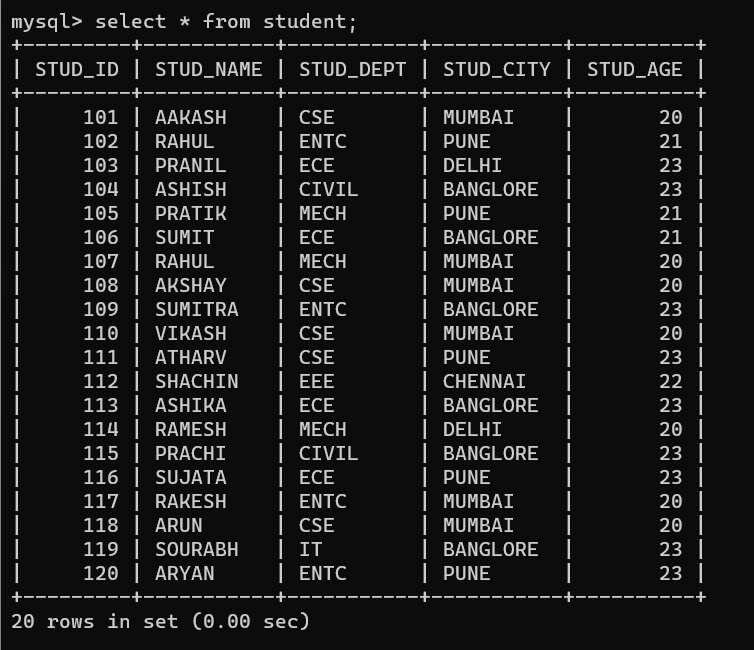
**Enrollment-**

This table contain all information about each enrollment such as id

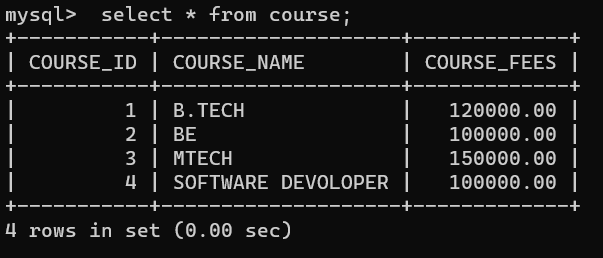


**4) Contents of Tables**

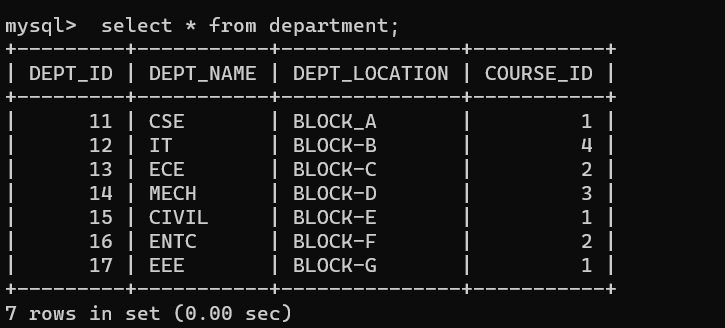
**Student-**



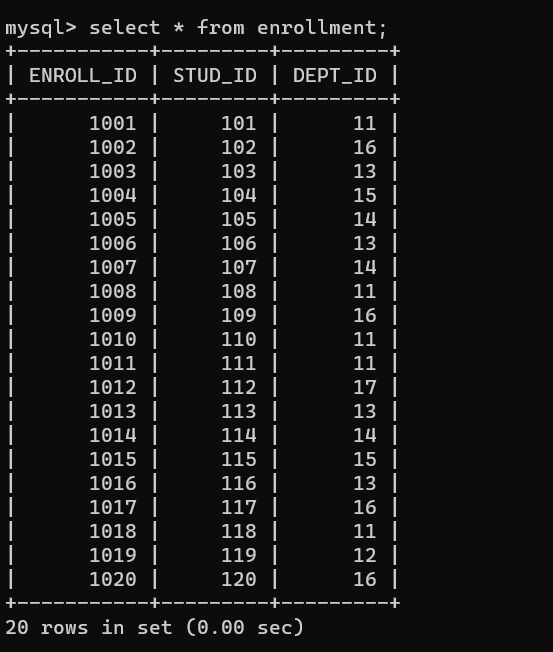
**Course –**

****

**Department –**

****

**Enrollment –**

****

1. **Sub Queries :**

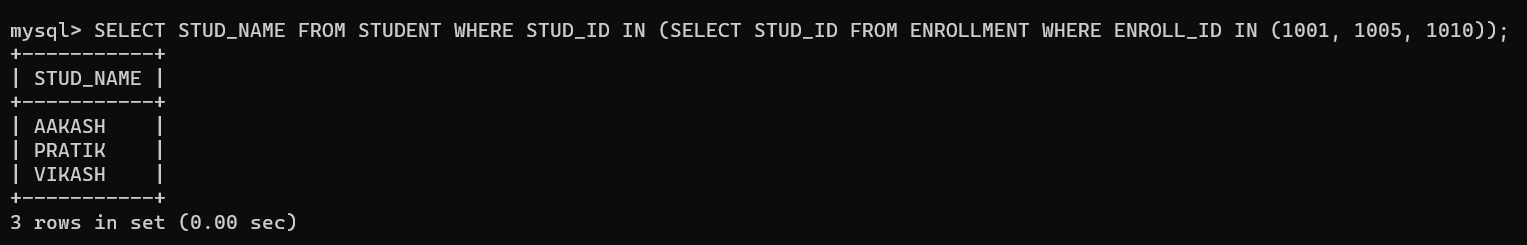
**Question 1 -**

The names of students who are enrolled in courses with ENROLL\_ID equal to 1001, 1005, and 1010,

**Query -**

SELECT STUD\_NAME FROM STUDENT WHERE STUD\_ID IN (SELECT STUD\_ID FROM ENROLLMENT WHERE ENROLL\_ID IN (1001, 1005, 1010));

**Output -**

****

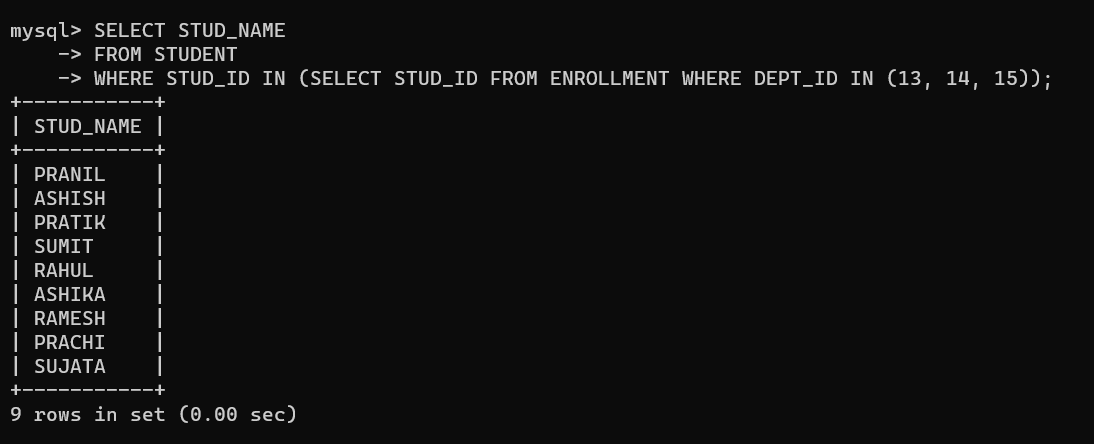
**Question 2-**

The names of students who are enrolled in departments with DEPT\_ID equal to 13, 14, and 15.

**Query -**

SELECT STUD\_NAME FROM STUDENT WHERE STUD\_ID IN (SELECT STUD\_ID FROM ENROLLMENT WHERE DEPT\_ID IN (13, 14, 15));

**Output -**

****

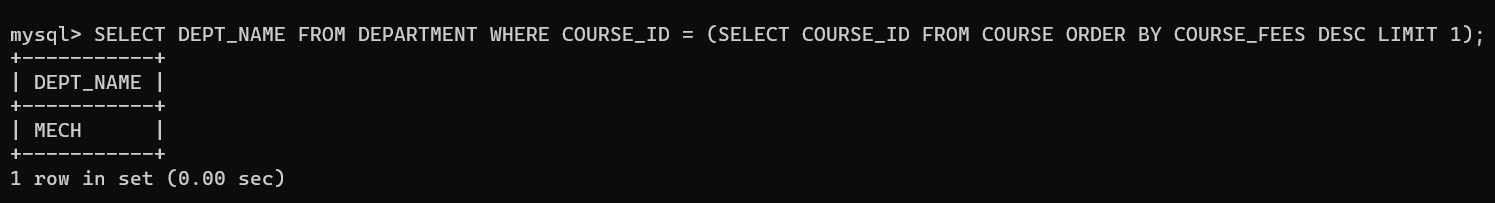
**Question 3-**

Find the department name for the course with the highest course fees.

**Query -**

SELECT DEPT\_NAME FROM DEPARTMENT WHERE COURSE\_ID = (SELECT COURSE\_ID FROM COURSE ORDER BY COURSE\_FEES DESC LIMIT 1);

**Output -**

****

**5)Joins :**

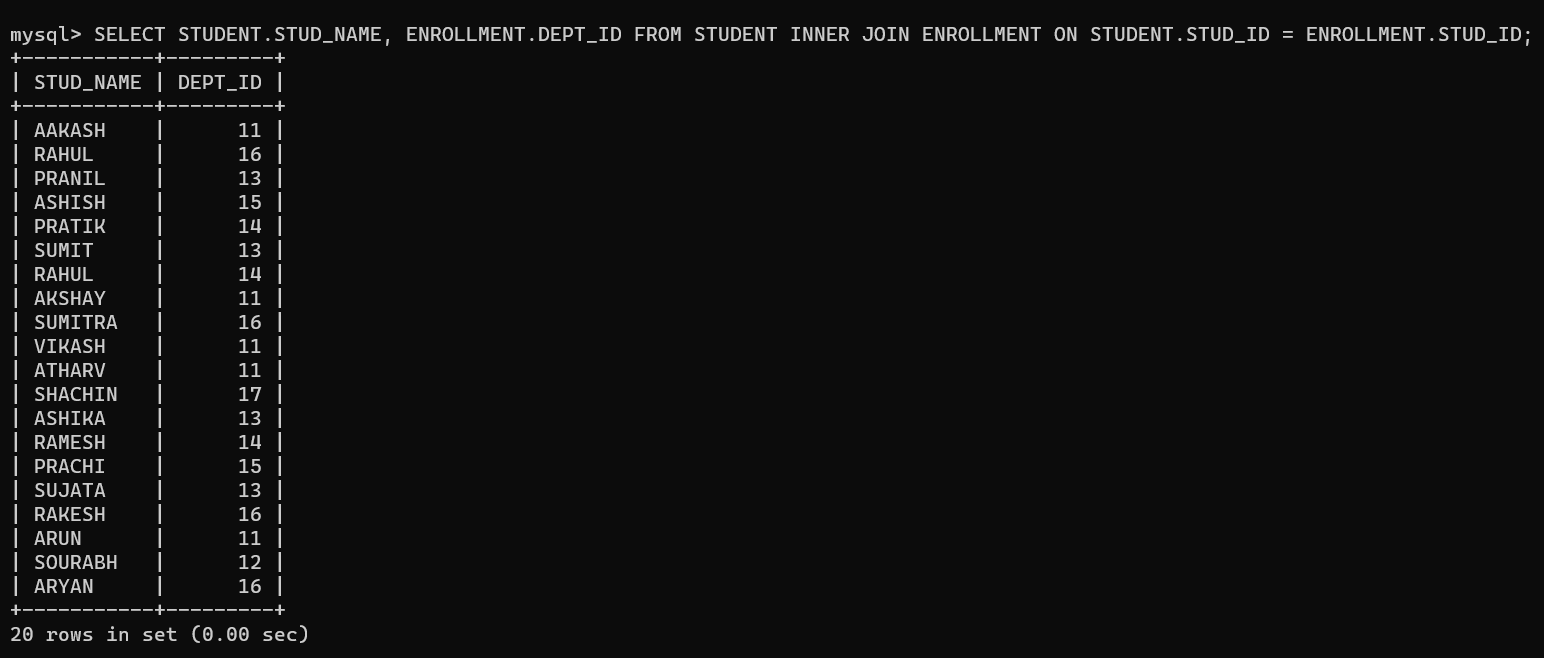
**Question**  **1**

Display list of students and their enrolled departments?

use an INNER JOIN

**Query -**

SELECT STUDENT.STUD\_NAME, ENROLLMENT.DEPT\_ID FROM STUDENT INNER JOIN ENROLLMENT ON STUDENT.STUD\_ID = ENROLLMENT.STUD\_ID;

**Output -**

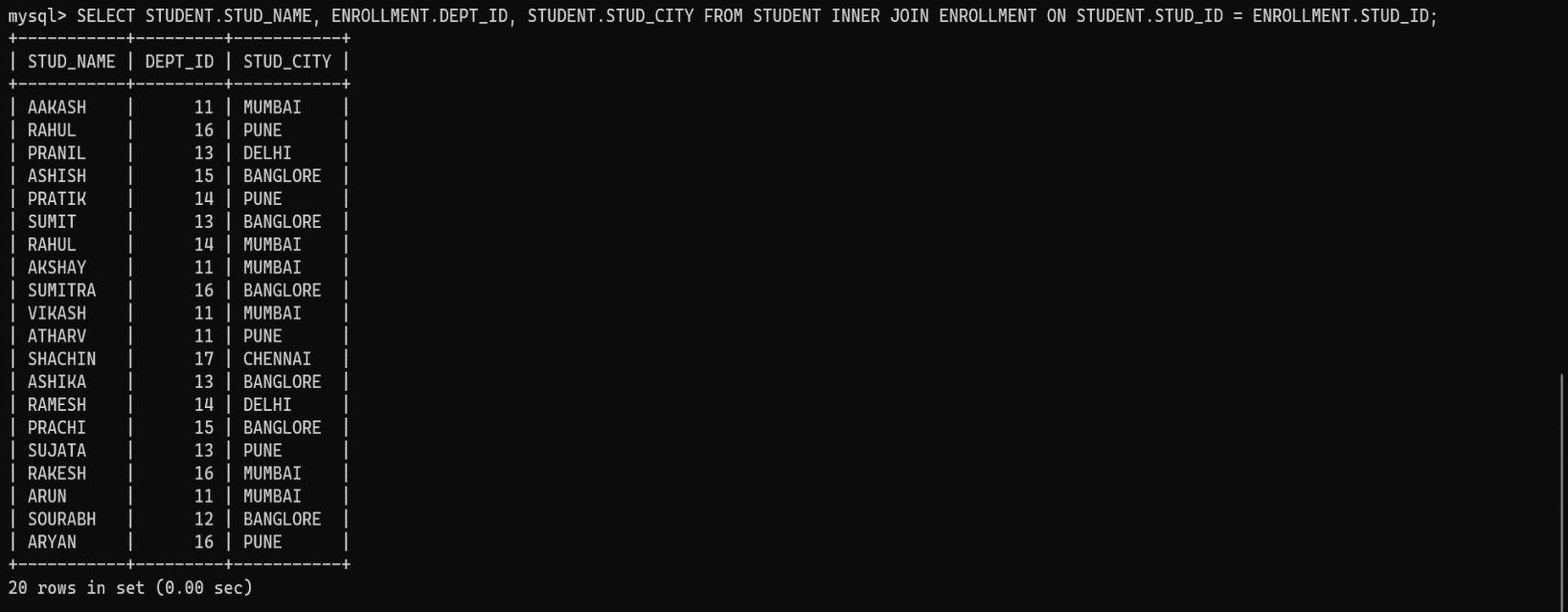
**Question**  **2**

Display list of students along with their department and city?

**Query -**

SELECT STUDENT.STUD\_NAME, ENROLLMENT.DEPT\_ID, STUDENT.STUD\_CITY FROM STUDENT INNER JOIN ENROLLMENT ON STUDENT.STUD\_ID = ENROLLMENT.STUD\_ID;

**Output -**

****

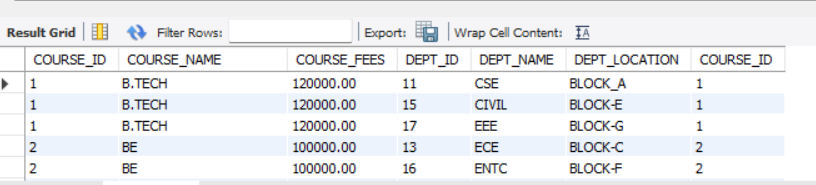
**Question**  **3**

Select all rows from course table using left join and the match with the right table depaertment

**Query -**

SELECT \* FROM COURSE AS C LEFT JOIN DEPARTMENT AS D ON C.COURSE\_ID = D.COURSE\_ID

**Output -**

****