

# PRACTICAL LIST- 10

(SUBQUERY, GROUPING, JOINS)

SUBJECT: DBMS

1. Ensure that your login has following tables with proper constraints and data:-

**COURSE TABLE**

CourseCode	CourseName	CourseFees	Department
101	MCA	80000	MCA
102	MBA	60000	MBA
103	Btech	75000	Engg
104	BCA	30000	MCA
105	BSc(IT)	25000	MCA
106	MSc(IT)	35000	MCA
107	BBA	22000	MBA

**STUDENT TABLE**

RollNo	Name	City
1	Amit	Delhi
2	Sumit	Goa
3	Shweta	Gwalior
4	Kumar	Goa
5	Puneet	Meerut
6	Bharat	Gwalior

**REGISTER TABLE**

RollNo	CourseCode
2	101
4	103
5	101
3	105
1	103

2. See the contents of above table and commit data

**“Please verify your output each time with above tables”**

3. Write queries for the following:-

- a) Show details of all students
- b) Show details of all students who aren't registered in any course
- c) Show details of students who are registered in any course:
  - Write Query Using Join
  - Write Query Using Sub query
- d) Details of all students along with course details in which they are registered, if any. Include those students also which are not registered (Use Outer Join)
- e) Display third highest fees
- f) Number of students from each city
- g) Details of students who are registered in most expensive course
- h) Display highest course fees
- i) Display second highest course fees
- j) Display total sum of all course fees
- k) Display department wise total fees of all courses. Show both department name and total fees
- l) Display department wise total fees of all those departments whose total department fees is greater than Rs. 80000/- (How many rows are displayed?)
- m) Display department wise total fees of only those courses having fees greater than Rs. 30000/- ( How many rows are selected?)

