Q3. Write SQL statements for the following.

1. Display the substring from position 1 to 3 of job in emp table.
2. Select employee names and job with comm not null OR with job not equal to clerk.
3. Display ename , deptno and the avg sal of each group except those whose job=clerk.
4. Display ename,sal of employess whose sal is same as james job and whose job is less than james salary.
5. Change job and sal of james to clerk and 12.
6. display max sal of each dept group of emp table , where max sal < the max salary of emp with deptno 10.
7. Insert new row in dept table with deptno=60,dname=marketing and loc=Lahore.
8. Display Loc Of Employess With Job = President.
9. Display Loc Of Employess With Job = President.
10. Display Comm Of Employess Working In Location Chicago.

**Question No 4 (20 marks)**

Write down any 8 **SQL** statement against each of the following queries.

**Student** (s#: integer, sname: string, major: string, level: string, age: integer)

**Class** (name: string, meets\_at: time, room: string, f#: integer)

**Enrolled** (s#: integer, cname: string)

**Faculty** (f#: integer, fname: string, dept#: integer)

**1**. Find the names of all Juniors (Level = JR) who are enrolled in a class taught by M. Ali.

**2**. Find the age of the oldest student who is either a History major or is enrolled in a course taught

by M.Ali.

3. Find the names of all classes that either meet in room R128 or have five or more students enrolled.

**4**. Find the names of all students who are enrolled in two classes that meet at the same time.

**5**. Find the names of faculty members who teach in every room in which some class is taught.

**6**. Find the names of faculty members for whom the combined enrollment of the courses that they teach

is less than five.

**7**. Print the Level and the average age of students for that Level, for each Level.

**8**. Print the Level and the average age of students for that Level, for all Levels except JR.

**9**. Find the names of students who are enrolled in the maximum number of classes.

**10**. Find the names of students who are not enrolled in any class.