**Query:01**

SELECT substr(job,1,3) as "Sub"

From emp

**Query:02**

SELECT ename,job

From emp

Where comm is not NULL

OR lower(job) <> 'clerk'

**Query:03**

SELECT ename,deptno,avg(sal)

From emp

Where initcap(job)<>'Clerk'

Group by deptno,ename

**Query:04**

SELECT ename , sal

from emp

Where sal<(select distinct sal

from emp

where lower(ename)='james')

And job=( select distinct job

from emp

where lower(ename)='james')

**Query:05**

Update

emp

Set

Job='clerk',

Sal=12

Where lower(ename)='james'

**Query:06**

SELECT max(sal)

From emp

Having max(sal)<(select max(sal)

From dept

Where deptno=10

Group by deptno

)

Group by deptno

**Query:07**

INSERT INTO dept(deptno,dname,loc)

VALUES (60,'marketing','Lahore');

**Query:08**

SELECT LOC

FROM EMP,DEPT

Where emp.deptno=dept.deptno

AND initcap(job)=’President’

**Query:09**

SELECT LOC

FROM EMP,DEPT

Where emp.deptno=dept.deptno

AND initcap(job)=’President’

**/\*Duplicate questions\*/**

**Query:10**

SELECT COMM

FROM EMP,DEPT

Where emp.deptno=dept.deptno

AND initcap(loc)=’Chicago’

**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)

**Query:01**

SELECT S.sname

FROM Student S

WHERE S.level = ‘JR’

ORDERED BY S.age

**Query:02**

SELECT MAX(S.age)

FROM Student S

WHERE (S.major = ‘History’)

OR S. # IN (SELECT E.s#

FROM Class C, Enrolled E, Faculty F

WHERE E.cname - C.name

AND C.f# = F.f#

AND F.fname = ‘M.Ali’ )

**Query:03**

SELECT DISTINCT cname

FROM class

WHERE room='R128'

OR

cname IN (SELECT e.cname

FROM enrolled e

GROUP BY e.cname

HAVING COUNT(\*)>=5);

**Query:04**

SELECT DISTINCT s.sname

FROM student s

WHERE s.s# IN (SELECT e1.s#

FROM enrolled e1,enrolled e2,class c1,class c2

WHERE e1.s#=e2.s# AND

e1.cname<>e2.cname AND

e1.cname=c1.cname AND

e2.cname=c2.cname AND

c1.meets\_at=c2.meets\_at );

**Query:05**

SELECT f.fname

FROM faculty f

WHERE f.f# in ( SELECT f#

FROM class

GROUP BY f#

HAVING COUNT(\*)=(SELECT COUNT(DISTINCT room)

FROM class) );

**Query:06**

SELECT DISTINCT f.fname

FROM faculty f

WHERE f.f# IN ( SELECT c.f#

FROM class c, enrolled e

WHERE c.cname = e.cname

GROUP BY c.cname

HAVING COUNT(c.cname)< 5 );

**Query:07**

SELECT S.level, AVG(S.age)

FROM Student S

GROUP BY S.level

**Query:08**

SELECT S.level, AVG(S.age)

FROM Student S

WHERE S.level <> ‘JR’

GROUP BY S.level

**Query:09**

SELECT DISTINCT S.sname

FROM Student S

WHERE S.s# IN (SELECT E.s#

FROM Enrolled E

GROUP BY E.s#

HAVING COUNT (\*) >= ALL (SELECT COUNT (\*)

FROM Enrolled E2

GROUP BY E2.s# ))

**Query:10**

SELECT DISTINCT S.sname

FROM Student S

WHERE S.s# NOT IN (SELECT E.s#

FROM Enrolled E )