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Roll - 20051488

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DBMS LAB - 7

1. Display student Jose Diazs faculty advisors name and phone number.

> select name, phone from faculty
where facultyid = (select facultyid
from student where first = 'Jose');

OUTPUT

<u>NAME</u>	<u>PHO</u>
Mobley	529

2. Find rooms with bottom-2 capacities. Do not include office rooms.

> select * from (select * from
location where roomtype in ('L', 'C')
order by capacity asc) where
rownum <= 2;

OUTPUT

<u>ROOMID</u>	<u>BUILDING</u>	<u>ROOM</u>	<u>CAPACITY</u>	<u>R</u>
19	Kennedy	210	30	L
13	Kennedy	202	35	L

3. Find Spring 2003 course sections with the top three maximum count numbers.

> select * from (select * from crsection where termid = 'SP03' order by maxcount desc) where rownum <= 3;

OUTPUT

<u>CSID</u>	<u>COURSE</u>	<u>SE</u>	<u>TERM</u>	<u>FACULTYID</u>	<u>DA</u>	<u>START</u>	<u>ROOMID</u>
1208	CIS253	21	SP03	123	TR	09:00	14
1209	CIS253	11	SP03	111	MW	09:00	18
1205	CIS255	01	SP03		MW	09:00	14

4. Find all information regarding classrooms (Roomtype = C) -

> select * from location where roomtype = (select roomtype from room where roomdesc = 'Classroom');

OUTPUT

<u>ROOMID</u>	<u>BUILDING</u>	<u>ROOM</u>	<u>CAPACITY</u>	<u>R</u>
15	Nehru	301	50	C
16	Nehru	309	45	C

5. Create a new table, SPO3SECT, for Spring 2003 semester course sections using a subquery. Include courseId, Section, FacultyId and ROOMID columns only.

> Create table SPO3SECT as select
courseID, Section, FacultyID, RoomID
from crssection where termid = 'SP03';

OUTPUT :-

Table created.

6. Delete rows from SPO3SECT table for faculty Mobley.

> delete from SPO3SECT where facultyID =
(select facultyID from faculty
where name = 'Mobley');

OUTPUT :-

2 rows deleted

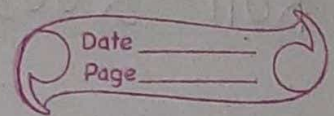
7. Find faculty members who do not teach any course in Spring 2003 semester.

> select * from SPO3SECT ~~a~~ where
not exists (select facultyID from
SPO3SECT b where ~~for~~ a-facultyID =
b-facultyID);

OUTPUT :-

COURSE	SE	FACULTYID	ROOMID
CIS265	01		14
LA123	05		15

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8. Find the course title whose pre-requisite is 'Basic English'.

> select title from course where
prereq = (select courseid from
course where title = 'Basic English');

TITLE

English Literature

9. Find studentid, name and city of the student who started in 'Winter 2003'.

> select studentid, first||' '||last as
"Name", city from student where
startterm = (select termid from term
where termdesc = 'Winter 2003');

STUDENTID NAME CITY

00100	Jose Diaz	Hill
00102	Rajesh Patel	Boston
00104	Brian Lee	Hope
00105	Amir Khan	Clifton

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10. Find student id, name, city of the students who have registered.

> select student id, first || ' ' || last as name, city from student whose student id = ~~is~~ any (select student id from registration whose reg status = 'R')

OUTPUT

<u>STUDENT ID</u>	<u>NAME</u>	<u>CITY</u>
00100	Jose Diaz	Hill
00102	Rajesh Patel	Edison
00103	Deborah Rickles	Iselin
00104	Brian Lee	Hope
00105	Amir Khan	Clifton