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Roll - 20051488

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DBMS LAB - 8

① Create a view for the studentid, first name, last name and phone no. Then display the content.

> Create view view_student as
select studentid, first, last, phone
from student;

View Created.

> Select * from view_student;

<u>STUDE</u>	<u>FIRST</u>	<u>LAST</u>	<u>PHONE</u>
00100	Jose	Diaz	9735551111
00101	Mickey	Tyler	7185552222
00102	Rajesh	Patel	7325553333
00103	Eborah	Rickles	7325554444
00104	Brian	Lee	2125555555
00105	Amir	Khan	2015556666

6 rows selected.

(2) Create a view for the details of crssection for section 02. Then display the content.

> Create view view_crssection as select * from crssection where section = 02;

View created.

> Select * from view_crssection;

<u>CSID</u>	<u>COURSE</u>	<u>SE</u>	<u>TERM</u>	<u>FACULTYID</u>	<u>DA</u>	<u>START</u>	<u>END</u>	<u>ROOM</u> <u>ID</u>	<u>MAX</u> <u>COUNT</u>
1103	MA156	02	WN03	444	F	09:00	12:00	15	25
1206	CIS265	02	SP03	111	TR	09:00	10:30	18	30

(3) Create a view for faculty name, phone, deptname. Then display the content.

> Create view view_faculty as select f.name, f.phone, d.deptname from faculty f, department d where d.deptid = f.deptid;

View created.

> Select * from ~~view~~ view_faculty;

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<u>NAME</u>	<u>PHO</u>	<u>DEPTNAME</u>
Mobley	529	Computer Science
Jones	525	Computer Science
Williams	533	Telecommunication
Vajpayee	577	Telecommunication
Sen	579	Accounting
Collins	599	Accounting
Rivera	544	Math and Science
Chang	587	Liberal Arts

8 rows selected.

④ Create a view for faculty name, phone, deptname, and building name. Then display the content.

> Create view view_faculty as
 select f.name, f.phone,
 d.deptname, l.building from
 faculty f, department d, location l
 where f.deptid = d.deptid and
 f.roomid = l.roomid;

view created.

> Select * from view_faculty;

<u>NAME</u>	<u>PHO</u>	<u>DEPTNAME</u>	<u>BUILDING</u>
Moblej	529	Computer Science	Grandhi
Jones	525	Computer Science	Grandhi
Vajpayee	577	Telecommunication	" "
Sen	579	Accounting	" "
Collins	599	Accounting	" "
Chang	587	Liberal Arts	" "
Williams	533	Telecommunication	" "
Rivera	544	Math and Science	" "

8 rows selected.

⑤ Create a view for Room details.
Then display the content.

> Create view view_room as
select * from room;

View created.

> Select * from view_room;

R	RoomDESC
L	Lab
C	Classroom
O	Office

⑥ Insert a new room through
view created on room details.
Then display the content.

> insert into view_room values(
'E', ~~Exam~~, 'Exam Hall');

> Select * from view_room;

R	RoomDESC
L	Lab
C	Classroom
O	Office
E	Exam Hall

⑦ Delete the newly inserted record in the view created on room details. Then display the contents.

> delete from view_room where roomtype = 'E';

> select * from view_room;

<u>R</u>	<u>ROOMDESC</u>
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L	Lab
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C	Classroom
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O	Office
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⑧ Create an index to search students faster based on their majorid.

> Create index index_student on student(majorid);

Index created.

⑨ Create a sequence and use it for the data insertion in the location table. The sequence will be used on roomid column.

> create sequence sequence_location increment by 1 start with 12 maxvalue 67 nocache;

> select sequence location - nextval
from dual;

NEXTVAL

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(10) Create synonyms as address
and place for location - Then
use ~~at~~ them for data access.

> Create synonym address for
location;

> Create synonym place for
location;

> select * from address;

<u>ROOMID</u>	<u>BUILDING</u>	<u>ROOM</u>	<u>CAPACITY</u>	<u>R</u>
11	Grandhi	101	2	0
12	" "	103	2	0
13	Kennedy	202	35	L
14	" "	204	50	L
15	Nchou	301	50	C
,	,	,	,	
,	,	,	,	
,	,	,	,	
,	,	,	,	
20	Grandhi	107	2	0
21	Grandhi	109	2	0