**Jesus Medina : 005172852**

**Lab 5**

select p.projname, e.fname from proj p, emp e, dept d

where d.mgr = e.empno and d.deptnumber = p.deptnum;

PROJNAME FNAME

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Product X Johnathan

Product Y Johnathan

Computerization Ellen

Product Z William

Mobile Apps Ellen

select e.empno, SUM(j.hoursworked) "Hours Spent"

from emp e, proj p, emp\_proj j

where e.empno = j.empno and j.projno = p.projnumber

group by e.empno

EMPNO Hours Spent

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1007 40

1444 20

1740 50.5

1760 15

2002 40

2060 12

6 rows selected.

create view "EMPLOYEE HOURLY RATE" as

select round(e.salary/408, 2) "HOURLY RATE"

from emp e;

Error starting at line : 11 in command -

create view "EMPLOYEE HOURLY RATE" as

select round(e.salary/408, 2) "HOURLY RATE"

from emp e

Error report -

ORA-00955: name is already used by an existing object

00955. 00000 - "name is already used by an existing object"

\*Cause:

\*Action:

select \* from "EMPLOYEE HOURLY RATE" ;

HOURLY RATE

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58.82

36.76

147.06

159.31

159.31

68.63

49.02

7 rows selected.

select e.empno, p.projnumber, round(sum(j.hoursworked \* (e.salary/408)), 2) "TOTAL LABOR COST"

from emp e, proj p, emp\_proj j

where e.empno = j.empno and j.projno = p.projnumber

group by e.empno, p.projnumber;

EMPNO PROJNUMBER TOTAL LABOR COST

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1444 20 980.39

2060 40 1911.76

1740 50 2389.71

1760 20 1470.59

2002 10 1470.59

1007 30 1911.76

1007 50 441.18

1760 10 735.29

1740 30 5655.64

9 rows selected.

alter table emp

add dob DATE;

alter table emp

add hire\_date DATE;

Error starting at line : 22 in command -

alter table emp

add dob DATE

Error report -

ORA-01430: column being added already exists in table

01430. 00000 - "column being added already exists in table"

\*Cause:

\*Action:

Error starting at line : 24 in command -

alter table emp

add hire\_date DATE

Error report -

ORA-01430: column being added already exists in table

01430. 00000 - "column being added already exists in table"

\*Cause:

\*Action:

update emp set dob = to\_date('1981-10-31', 'YYYY-MM-DD'), hire\_date = to\_date('2018-01-02', 'YYYY-MM-DD') where empno = 1007;

update emp set dob = to\_date('1964-07-12', 'YYYY-MM-DD'), hire\_date = to\_date('2014-10-15', 'YYYY-MM-DD') where empno = 2002;

update emp set dob = to\_date('1976-02-28', 'YYYY-MM-DD'), hire\_date = to\_date('2009-06-15', 'YYYY-MM-DD') where empno = 1760;

update emp set dob = to\_date('1990-09-10', 'YYYY-MM-DD'), hire\_date = to\_date('2011-09-02', 'YYYY-MM-DD') where empno = 1740;

update emp set dob = to\_date('1980-06-25', 'YYYY-MM-DD'), hire\_date = to\_date('2013-04-13', 'YYYY-MM-DD') where empno = 2060;

update emp set dob = to\_date('1999-05-05', 'YYYY-MM-DD'), hire\_date = to\_date('2019-08-01', 'YYYY-MM-DD') where empno = 2000;

update emp set dob = to\_date('1993-01-24', 'YYYY-MM-DD'), hire\_date = to\_date('2012-07-15', 'YYYY-MM-DD') where empno = 1444;

1 row updated.

1 row updated.

1 row updated.

1 row updated.

1 row updated.

1 row updated.

1 row updated.

create table emp\_proj\_overtime(

empno number(4) not null,

projno number(2) not null,

hourot number(6) not null

);

Table EMP\_PROJ\_OVERTIME created.

alter table emp\_proj\_overtime add constraint emp\_proj\_empno\_PK PRIMARY KEY(empno);

alter table emp\_proj\_overtime add constraint emp\_proj\_projno\_PK FOREIGN KEY(projno) references proj(projnumber);

Table EMP\_PROJ\_OVERTIME altered.

Table EMP\_PROJ\_OVERTIME altered.

desc emp\_proj\_overtime;

Name Null? Type

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EMPNO NOT NULL NUMBER(4)

PROJNO NOT NULL NUMBER(2)

HOUROT NOT NULL NUMBER(6)

create or replace trigger ot\_trigger

after insert or update of hoursworked on emp\_proj

referencing old as old new as new

for each row when (new.hoursworked > 100)

begin

insert into emp\_proj\_overtime (empno, projno, hourot) values

(:new.empno, :new.projno, :new.hoursworked - 100);

EXCEPTION WHEN dup\_val\_on\_index then

update emp\_proj\_overtime epo

set epo.hourot = :new.hoursworked -10

where epo.empno = :old.empno and epo.projno = :old.projno;

commit;

end;

Trigger OT\_TRIGGER compiled