

SQL> -----1906055 : Lakhan Kumawat -----

SQL> conn

Enter user-name: system

Enter password:

Connected.

SQL> desc stdmain;

Name	Null?	Type
ROLLNO	NOT NULL	NUMBER(4)
NAME		VARCHAR2(10)
STATE		VARCHAR2(10)
DOB		DATE
BRANCH		VARCHAR2(5)
CITY		VARCHAR2(10)

SQL> select * from stdmain;

ROLLNO	NAME	STATE	DOB	BRANC	CITY
1701	Arvind	WB	15-JAN-99	CSE	Kolkata
1702	Jhon	MH	02-MAR-99	EEE	Mumbai
1703	Mohan	UP	15-JUL-91	ECE	Delhi
1704	Ravi	MP	12-MAY-94	CSE	Bhopal
1705	Karim	BR	10-MAR-91	ECE	Patna
1706	Sita	UP	08-DEC-90	EEE	Kanpur
1707	Pintu	BR	17-OCT-92	CSE	Chennai

7 rows selected.

SQL> desc smarks;

Name	Null?	Type
ROLLNO		NUMBER
SUBJECTNAME		VARCHAR2(20)
MARKS		NUMBER

SQL> select * from smarks;

ROLLNO	SUBJECTNAME	MARKS
1701	C++	75
1701	Oracle	84
1701	Java	95
1701	OS	62
1702	C++	46
1702	Oracle	70
1702	Java	55
1702	OS	56
1703	C++	82
1703	Oracle	84
1703	Java	74

ROLLNO	SUBJECTNAME	MARKS
1703	OS	92
1704	C++	43
1704	Oracle	49

1704 Java	68
1704 OS	35

16 rows selected.

SQL>

SQL> select stdmain.rollno, name, sum(marks) from stdmain,smarks where
smarks.rollno=stdmain.rollno group by stdmain.rollno,name order by sum(marks) desc;

ROLLNO	NAME	SUM(MARKS)
1703	Mohan	332
1701	Arvind	316
1702	Jhon	227
1704	Ravi	195

SQL> edit ques1

Program

set serveroutput on

declare

ctr number(2):=0;

cursor my_cur is select stdmain.rollno, name, sum(marks) as total from stdmain , smarks where
stdmain.rollno=smarks.rollno group by stdmain.rollno,name;

begin

DBMS_OUTPUT.PUT_LINE ('-----');

FOR i IN my_cur LOOP

DBMS_OUTPUT.PUT_LINE (i.rollno || '---' || i.name || '---' || i.total);

ctr:= ctr+1;

exit when ctr=3;

END LOOP;

```
DBMS_OUTPUT.PUT_LINE ('-----');  
end;  
/
```

```
SQL> @ques1
```

```
-----  
1701---Arvind---316  
1702---Jhon---227  
1703---Mohan---332  
-----
```

PL/SQL procedure successfully completed.

```
SQL> start ques1
```

```
-----  
1701---Arvind---316  
1702---Jhon---227  
1703---Mohan---332  
-----
```

PL/SQL procedure successfully completed.

```
SQL> edit ques2
```

Program

```
set serveroutput on  
prompt enter rollno;  
accept r;  
prompt enter subject;
```

```

accept s;

declare

vroll smarks.rollno%type;

vsubject smarks.subjectname%type;

vmarks smarks.marks%type;

begin

select rollno,subjectname,marks into vroll,vsubject,vmarks from smarks where rollno=&r and
subjectname='&s';

dbms_output.put_line(vroll||' '||vsubject||' '||vmarks);

if vmarks <45 then

    update smarks set marks = vmarks+5 where rollno=vroll and subjectname=vsubject;

elseif vmarks >=46 and vmarks <50 then

    update smarks set marks =50 where rollno=vroll and subjectname=vsubject;

end if;

end;

/

SQL> @ques2

enter rollno

1701

enter subject

C++

old 6: select rollno,subjectname,marks into vroll,vsubject,vmarks from smarks where rollno=&r and
subjectname='&s';

new 6: select rollno,subjectname,marks into vroll,vsubject,vmarks from smarks where rollno=1701 and
subjectname='C++';

1701 C++ 75

```

PL/SQL procedure successfully completed.

SQL> edit ondelete

Program

```
create or replace trigger checkroll
before delete
on smarks
begin
if(rollno = 1701 OR rollno = 1702 OR rollno = 1703) then
raise_application_error(-20101,'Records can not be deleted ');
end if;
end;
/
SQL> start ondelete
```

Trigger created.

```
SQL> delete from smarks where rollno=1701;
```

```
delete from smarks where rollno=1701
```

*

ERROR at line 1:

ORA-20001: Records can not be deleted

ORA-06512: at "SYSTEM.RESTRICTROLL", line 2

ORA-04088: error during execution of trigger 'SYSTEM.RESTRICTROLL'

```
SQL> spool off
```