Q1)

Declare

b varchar2(10);

CURSOR C1 IS

SELECT staffno, name, position, salary from staff where branchno like b;

V\_REC C1%ROWTYPE;

Begin

b:=’&Enter\_branch’;

OPEN C1;

LOOP

FETCH C1 INTO V\_REC;

EXIT WHEN C1%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE(V\_REC.staffno||' '||V\_REC.name ||’ ’||V\_REC.position||' '||V\_REC.salary);

END LOOP;

CLOSE C1;

End;

/

Enter value for enter\_branch: B001

old 7: b:='&Enter\_branch';

new 7: b:='B001';

S1500 Tom daniels Manager 46000

S0003 Sally Adams Assistant 30000

PL/SQL procedure successfully completed.

Q2)

Declare

C varchar2(10):=’Children’;

CURSOR C1 IS

SELECT catalogno,title, dailyrental, price from video where category like c ;

Begin

FOR V\_REC IN C1

LOOP

DBMS\_OUTPUT.PUT\_LINE(V\_REC.catalogno||' '||V\_REC.title ||’ ’||V\_REC.dailyrental||' '||V\_REC.price);

END LOOP;

End;

/

902355 Harry potter 4.5 14.5

781132 Shrek 4 18.5

PL/SQL procedure successfully completed.

Q3)

Declare

A varchar2(20):=’Above average salary’;

B varchar2(20):=’Below average salary’;

CURSOR C1 IS

SELECT name, salary from staff where salary >(select avg(salary) from staff) ;

CURSOR C2 IS

SELECT name, salary from staff where salary <(select avg(salary) from staff) ;

Begin

DBMS\_OUTPUT.PUT\_LINE(A) ;

FOR V\_REC IN C1

LOOP

DBMS\_OUTPUT.PUT\_LINE(V\_REC.name||' '||V\_REC.salary );

END LOOP;

DBMS\_OUTPUT.PUT\_LINE(B) ;

FOR V\_REC IN C2

LOOP

DBMS\_OUTPUT.PUT\_LINE(V\_REC.name||' '||V\_REC.salary );

END LOOP;

End;

Above average salary

Tom daniels 46000

Mary Martinez 50000

Sally Stern 48000

Below average salary

Sally Adams 30000

Robert Chin 32000

Art Peters 41000

PL/SQL procedure successfully completed.

Q4)

Declare

CURSOR C1 IS

SELECT \* from staff where salary=(select max(salary) from staff where salary <(select max(salary) from staff) );

Begin

FOR V\_REC IN C1

LOOP

DBMS\_OUTPUT.PUT\_LINE(V\_REC.staffno||' '||V\_REC.name ||' '||V\_REC.position||' '||V\_REC.salary||' '||V\_REC.branchno);

END LOOP;

End;

/

S2250 Sally Stern Manager 48000 B004

PL/SQL procedure successfully completed.

Q5)

Declare

C varchar2(20):=’Sally Stern’;

CURSOR C1 (C varchar2 ) IS

SELECT name from staff where position like ( SELECT position from staff where name like C );

Begin

FOR V\_REC IN C1(C)

LOOP

DBMS\_OUTPUT.PUT\_LINE(V\_REC.name);

END LOOP;

End;

/

Tom daniels

Mary Martinez

Sally Stern

Art Peters

PL/SQL procedure successfully completed.

Q6)

DECLARE

CURSOR C1

IS

SELECT \* FROM staff;

rec\_emp C1%rowtype;

BEGIN

OPEN C1;

LOOP

FETCH C1 INTO rec\_emp;

IF rec\_emp.salary <30000 THEN

UPDATE staff

SET salary = salary + (salary \* 0.15)

Where name=rec\_emp.name;

elsif rec\_emp.salary>30000 THEN

UPDATE staff

SET salary = salary + (salary \* 0.1)

Where name=rec\_emp.name;

END IF;

EXIT

WHEN C1%notfound;

END LOOP;

CLOSE C1;

END;

/

PL/SQL procedure successfully completed.

SQL> select \* from staff;

STAFF NAME

----- ----------------------------------------

POSITION SALARY BRAN

---------------------------------------- ---------- ----

S1500 Tom daniels

Manager 50600 B001

S0003 Sally Adams

Assistant 30000 B001

S0010 Mary Martinez

Manager 55000 B002

STAFF NAME

----- ----------------------------------------

POSITION SALARY BRAN

---------------------------------------- ---------- ----

S3250 Robert Chin

Supervisor 35200 B002

S2250 Sally Stern

Manager 52800 B004

S0415 Art Peters

Manager 49610 b003

6 rows selected.