Q1.

DECLARE

COUNTER NUMBER ;

BEGIN

SELECT SUM(SALARY) INTO COUNTER FROM EMPLOYEES;

DBMS\_OUTPUT.PUT\_LINE('The total salary of all employees is ' ||

COUNTER) ;

UPDATE EMPLOYEES SET

salary= salary+(salary\*20)/100;

SELECT SUM(SALARY) INTO COUNTER FROM EMPLOYEES;

DBMS\_OUTPUT.PUT\_LINE('The total updated salary of employees is ' ||

COUNTER) ;

END ;

/



Q2.

CREATE OR REPLACE PROCEDURE DEPT\_COMPARISON (DEPT1 IN VARCHAR2,DEPT2 IN VARCHAR2)

IS

e1 NUMBER ;

e2 NUMBER ;

BEGIN

SELECT count(\*) INTO e1

FROM EMPLOYEES

WHERE department\_id=DEPT1;

SELECT count(\*) INTO e2

FROM EMPLOYEES

WHERE department\_id=DEPT2;

IF e1 > e2 THEN

DBMS\_OUTPUT.PUT\_LINE('DEPT 1 has higher number of employees than DEPT 2') ;

ELSIF e1<e2 THEN

DBMS\_OUTPUT.PUT\_LINE('DEPT 1 has lower number of employees than DEPT 2') ;

ELSE

DBMS\_OUTPUT.PUT\_LINE('DEPT2 has equal number of employees of DEPT1') ;

END IF ;

END ;

/

DECLARE

BEGIN

DEPT\_COMPARISON(100,105);

DEPT\_COMPARISON(105,100);

DEPT\_COMPARISON(100,100);

END ;

/



Q3.

CREATE OR REPLACE FUNCTION dept\_placement (DEPT\_ID IN VARCHAR2,VAL IN VARCHAR2)

RETURN VARCHAR2 IS

dep VARCHAR2(100);

MSG VARCHAR2(100) ;

BEGIN

dep = (SELECT salary FROM EMPLOYEES WHERE department\_id = DEPT\_ID)

UPDATE EMPLOYEES SET

DEPARTMENT\_ID=VAL;

WHERE DEPARTMENT\_id = DEP ;

RETURN MSG ; --return the message

END ;

/