ASSIGNMENT 7

-- CREATE TABLE CUSTOMERS(

-- ID INT NOT NULL,

-- NAME VARCHAR (20) NOT NULL,

-- AGE INT NOT NULL,

-- ADDRESS CHAR (25),

-- SALARY DECIMAL (18, 2),

-- PRIMARY KEY (ID)

-- );

-- INSERT INTO CUSTOMERS (ID,NAME,AGE,ADDRESS,SALARY)

-- VALUES (1, 'harsh', 19, 'nagar', 2000.00 );

-- INSERT INTO CUSTOMERS (ID,NAME,AGE,ADDRESS,SALARY)

-- VALUES (2, 'akash', 19, 'Delhi', 1500.00 );

-- INSERT INTO CUSTOMERS (ID,NAME,AGE,ADDRESS,SALARY)

-- VALUES (3, 'kaustubh', 19, 'gujarat', 2000.00 );

-- INSERT INTO CUSTOMERS (ID,NAME,AGE,ADDRESS,SALARY)

-- VALUES (4, 'john', 19, 'mumbai', 6500.00 );

-- INSERT INTO CUSTOMERS (ID,NAME,AGE,ADDRESS,SALARY)

-- VALUES (5, 'ashish', 19, 'pune', 8500.00 );

-- INSERT INTO CUSTOMERS (ID,NAME,AGE,ADDRESS,SALARY)

-- VALUES (6, 'onasvee', 19, 'nagpur', 4500.00 );

-- select \* from CUSTOMERS;

-- CREATE TABLE cust\_visitno(

-- visitno INT NOT NULL

-- );

-- INSERT INTO cust\_visitno VALUES (1);

-- INSERT INTO cust\_visitno VALUES (2);

-- INSERT INTO cust\_visitno VALUES (1);

-- INSERT INTO cust\_visitno VALUES (5);

-- INSERT INTO cust\_visitno VALUES (3);

-- INSERT INTO cust\_visitno VALUES (2);

--Implicit Cursors

DECLARE

total\_rows number(2);

BEGIN

UPDATE customers

SET salary = salary + 500;

IF sql%notfound THEN

dbms\_output.put\_line('no customers selected');

ELSIF sql%found THEN

total\_rows := sql%rowcount;

dbms\_output.put\_line( total\_rows || ' customers selected ');

END IF;

END;

/

-- Explicit Cursors

DECLARE

c\_id customers.id%type;

c\_name customers.name%type;

c\_addr customers.address%type;

CURSOR c\_customers is

SELECT id, name, address FROM customers;

BEGIN

OPEN c\_customers;

LOOP

FETCH c\_customers into c\_id, c\_name, c\_addr;

EXIT WHEN c\_customers%notfound;

dbms\_output.put\_line(c\_id || ' ' || c\_name || ' ' || c\_addr);

END LOOP;

CLOSE c\_customers;

END;

/

-- Parameterized cursor

DECLARE

c\_id customers.id%type;

c\_name customers.name%type;

c\_salary customers.salary%type;

CURSOR c\_customers (in\_id IN number) is

SELECT id, name, salary FROM customers where id>in\_id;

BEGIN

OPEN c\_customers(1);

LOOP

FETCH c\_customers into c\_id, c\_name, c\_salary;

EXIT WHEN c\_customers%notfound;

dbms\_output.put\_line(c\_id || ' ' || c\_name || ' ' || c\_salary);

END LOOP;

CLOSE c\_customers;

END;

/

-- multi cursor

DECLARE

c\_name customers.name%type;

c\_visit cust\_visitno.visitno%type;

CURSOR c\_customers is

SELECT name FROM customers;

CURSOR c\_visits is

SELECT visitno FROM cust\_visitno;

BEGIN

OPEN c\_customers;

OPEN c\_visits;

LOOP

FETCH c\_customers into c\_name;

FETCH c\_visits into c\_visit;

EXIT WHEN c\_customers%notfound or c\_visits%notfound ;

dbms\_output.put\_line(' ' || c\_name || ' ' ||c\_visit);

END LOOP;

CLOSE c\_customers;

CLOSE c\_visits;

END;

/

**Statement processed.  
6 customers selected**

**Statement processed.  
1 harsh nagar   
2 akash Delhi   
3 kaustubh gujarat   
4 john mumbai   
5 ashish pune   
6 onasvee nagpur**

**Statement processed.  
2 akash 5500  
3 kaustubh 6000  
4 john 10500  
5 ashish 12500  
6 onasvee 8500**

**Statement processed.  
harsh 1  
akash 2  
kaustubh 1  
john 5  
ashish 3  
onasvee 2**