Exercise # 2

1) Write a program to fetch data from table SALES for a given orderid and display the data. (Use %TYPE when declaring variables).

2) Write a program to insert data into SALES table.

3) Write a program to update data in SALES table for a given orderid (Change order amount to 100).

4) Write a program to delete data from SALES table for a given orderid.

1)

```
DECLARE
S_DATE SALES.SALES_DATE%TYPE;
S_ORDERID  SALES.ORDER_ID%TYPE:=1295;
S_PRODUCTID  SALES.PRODUCT_ID%TYPE;
S_CUSTOMERID SALES.CUSTOMER_ID%TYPE;
S_SALESPERSONID  SALES.SALESPERSON_ID%TYPE;
S_QUANTITY  SALES.QUANTITY%TYPE;
S_UNITPRICE  SALES.UNIT_PRICE%TYPE;
S_SALESAMOUNT  SALES.SALES_AMOUNT%TYPE;
S_TAXAMOUNT  SALES.TAX_AMOUNT%TYPE;
S_TOTALAMOUNT  SALES.TOTAL_AMOUNT%TYPE;
BEGIN

SELECT SALES_DATE, ORDER_ID, PRODUCT_ID, CUSTOMER_ID, SALESPERSON_ID, QUANTITY,
UNIT_PRICE, SALES_AMOUNT, TAX_AMOUNT, TOTAL_AMOUNT
INTO
S_DATE, S_ORDERID, S_PRODUCTID,S_CUSTOMERID, S_SALESPERSONID, S_QUANTITY,
S_UNITPRICE, S_SALESAMOUNT, S_TAXAMOUNT, S_TOTALAMOUNT
FROM SALES
WHERE ORDER_ID = S_ORDERID;

  DBMS_OUTPUT.PUT_LINE (S_DATE);
  DBMS_OUTPUT.PUT_LINE (S_ORDERID);
  DBMS_OUTPUT.PUT_LINE (S_PRODUCTID);
  DBMS_OUTPUT.PUT_LINE (S_CUSTOMERID);
  DBMS_OUTPUT.PUT_LINE (S_SALESPERSONID);
  DBMS_OUTPUT.PUT_LINE (S_QUANTITY);
  DBMS_OUTPUT.PUT_LINE (S_UNITPRICE);
  DBMS_OUTPUT.PUT_LINE (S_SALESAMOUNT);
  DBMS_OUTPUT.PUT_LINE (S_TAXAMOUNT);
  DBMS_OUTPUT.PUT_LINE (S_TOTALAMOUNT);

END;
```

2)

```
DECLARE
S_DATE SALES.SALES_DATE%TYPE:=TO_DATE('01-JAN-2016','DD-MON-YYYY');
S_ORDERID  SALES.ORDER_ID%TYPE:=129512;
S_PRODUCTID  SALES.PRODUCT_ID%TYPE:=200;
S_CUSTOMERID  SALES.CUSTOMER_ID%TYPE:=12;
S_SALESPERSONID  SALES.SALESPERSON_ID%TYPE:=1000;
S_QUANTITY  SALES.QUANTITY%TYPE:=20;
S_UNITPRICE  SALES.UNIT_PRICE%TYPE:=30;
S_SALESAMOUNT  SALES.SALES_AMOUNT%TYPE:=600;
S_TAXAMOUNT  SALES.TAX_AMOUNT%TYPE:=60;
S_TOTALAMOUNT  SALES.TOTAL_AMOUNT%TYPE:=660;

BEGIN


INSERT INTO SALES(SALES_DATE, ORDER_ID,  PRODUCT_ID,  CUSTOMER_ID,  SALESPERSON_ID,
QUANTITY,  UNIT_PRICE,  SALES_AMOUNT,  TAX_AMOUNT,  TOTAL_AMOUNT)
VALUES
(S_DATE, S_ORDERID,  S_PRODUCTID,S_CUSTOMERID,  S_SALESPERSONID,  S_QUANTITY,
S_UNITPRICE,  S_SALESAMOUNT,  S_TAXAMOUNT,  S_TOTALAMOUNT);

COMMIT;

END;
```

3)

```
DECLARE
S_ORDERID  SALES.ORDER_ID%TYPE:=129512;
BEGIN

UPDATE  SALES  SET SALES_AMOUNT  = 100
WHERE ORDER_ID  =    S_ORDERID;

COMMIT;

END;
```

4)

```
DECLARE
S_ORDERID  SALES.ORDER_ID%TYPE:=129512;
BEGIN

DELETE  FROM  SALES
WHERE ORDER_ID  =    S_ORDERID;

COMMIT;
END;
```