CREATION :

1. Create

CLIENT\_MASTER TABLE:

create table CLIENT\_MASTER2728(CLIENTNO varchar2(6) Primary Key,

check(CLIENTNO like 'C%'),

NAME Varchar2(20) Not Null,

ADDRESS1 Varchar2(30),

ADDRESS2 varchar2(30),

CITY Varchar2(15),

PINCODE Number(8),

STATE Varchar2(15),

BALDUE Number(10,2));

PRODUCT\_MASTER TABLE:

create table PRODUCT\_MASTER2728(PRODUCTNO Varchar2(6) Primary Key,

check(PRODUCTNO like 'P%'),

DESCRIPTION Varchar2(15) Not Null,

PROFITPERCENT Number(4,2) Not Null,

UNITMEASURE Varchar2(10) Not Null,

QTYONHAND Number(8) Not Null,

REORDERLVL Number(8) Not Null,

SELLPRICE Number(8,2) Not Null,

check(SELLPRICE>0),

COSTPRICE Number(8,2) Not Null,

check(COSTPRICE>0));

SALESMAN\_MASTER TABLE:

create table SALESMAN\_MASTER2728(SALESMANNO varchar2(6) Primary Key,

check(SALESMANNO like 'S%'),

SALESMANNAME Varchar2(20) Not Null,

ADDRESS1 Varchar2(30) Not Null,

ADDRESS2 Varchar2(30),

CITY Varchar2(20),

PINCODE Number(8),

STATE Varchar2(20),

SALAMT Number(8,2) Not Null,

check(SALAMT>0),

TGTTOGET Number(6,2) Not Null,

check(TGTTOGET>0),

YTDSALES Number(6,2) Not Null,

REMARKS Varchar2(60));

SALES\_ORDER TABLE:

create table SALES\_ORDER2728(ORDERNO Varchar2(6) Primary Key,

check(ORDERNO like 'O%'),

CLIENTNO Varchar2(6) references CLIENT\_MASTER2728(CLIENTNO),

ORDERDATE Date Not Null,

DELYADDR Varchar2(25),

SALESMANNO Varchar2(6) references SALESMAN\_MASTER2728(SALESMANNO),

DELYTYPE char(1) default 'F',

check(DELYTYPE in ('P','F')),

BILLYN Char(1),

DELYDATE Date,

check(DELYDATE>ORDERDATE),

ORDERSTATUS Varchar2(10),

check(ORDERSTATUS in ('In Process','Fulfilled','BackOrder','Cancelled')));

SALES\_ORDER\_DETAILS TABLE:

create table SALES\_ORDER\_DETAILS2728(ORDERNO Varchar2(6) references SALES\_ORDER2728(ORDERNO),

PRODUCTNO Varchar(6) references PRODUCT\_MASTER2728(PRODUCTNO),

QTYORDERED Number(8),

QTYDISP Number(8),

PRODUCTRATE Number(10,2));

INSERTION:

CLIENT\_MASTER Table:

Insert into CLIENT\_MASTER2728 values('C00001','Ivan Bayross',NULL,NULL,'Mumbai',400054,'Maharashtra',15000);

Insert into CLIENT\_MASTER2728 values('C00002','Mamta Muzumdar',NULL,NULL,'Madras',780001,'Tamil Nadu',0);

Insert into CLIENT\_MASTER2728 values('C00003','Chhaya Bankar',NULL,NULL,'Mumbai',400057,'Maharashta',5000);

Insert into CLIENT\_MASTER2728 values('C00004','Ashwini Joshi',NULL,NULL,'Bangalore',560001,'Karnataka',0);

Insert into CLIENT\_MASTER2728 values('C00005','Hansel Colaco',NULL,NULL,'Mumbai',400060,'Maharashta',2000);

Insert into CLIENT\_MASTER2728 values('C00006','Deepak Sharma',NULL,NULL,'Mangalore',560050,'Karnataka',0);

PRODUCT\_MASTER TABLE:

Insert into PRODUCT\_MASTER2728 values('P00001','T-Shirts',5,'Piece',200,50,350,250);

Insert into PRODUCT\_MASTER2728 values('P0345','Shirts',6,'Piece',150,50,500,350);

Insert into PRODUCT\_MASTER2728 values('P06734','Cotton Jeans',5,'Piece',100,20,600,450);

Insert into PRODUCT\_MASTER2728 values('P07865','Jeans',5,'Piece',100,20,750,500);

Insert into PRODUCT\_MASTER2728 values('P07868','Trousers',2,'Piece',150,50,850,550);

Insert into PRODUCT\_MASTER2728 values('P07885','Pull Overs',2.5,'Piece',80,30,700,450);

Insert into PRODUCT\_MASTER2728 values('P07965','Denim Shirts',4,'Piece',100,40,350,250);

Insert into PRODUCT\_MASTER2728 values('P07975','Lycra Tops',5,'Piece',70,30,300,175);

Insert into PRODUCT\_MASTER2728 values('P08865','Skirts',5,'Piece',75,30,450,300);

SALESMAN\_MASTER TABLE:

Insert into SALESMAN\_MASTER2728 values('S00001','Aman','A/14','Worli','Mumbai',400002,'Maharashtra',3000,100,50,'Good');

Insert into SALESMAN\_MASTER2728 values('S00002','Omkar','65','Nariman','Mumbai',400001,'Maharashtra',3000,200,100,'Good');

Insert into SALESMAN\_MASTER2728 values('S00003','Raj','P-7','Bandra','Mumbai',400032,'Maharashtra',3000,200,100,'Good');

Insert into SALESMAN\_MASTER2728 values('S00004','Ashish','A/5','Juhu','Mumbai',400044,'Maharashtra',3500,200,150,'Good');

SALES\_ORDER TABLE:

Insert into SALES\_ORDER2728 values('O19001','C00001','20-Jul-02',NULL,'S00001','F','N','12-Jun-04','In Process');

Insert into SALES\_ORDER2728 values('O19002','C00002','27-Jun-02',NULL,'S00002','P','N','25-Jun-04','Cancelled');

Insert into SALES\_ORDER2728 values('O46865','C00003','20-Feb-02',NULL,'S00003','F','Y','18-Feb-04','Fulfilled');

Insert into SALES\_ORDER2728 values('O19003','C00001','07-Apr-02',NULL,'S00001','F','Y','03-Apr-04','Fulfilled');

Insert into SALES\_ORDER2728 values('O46866','C00004','22-May-02',NULL,'S00002','P','N','20-May-04','Cancelled');

Insert into SALES\_ORDER2728 values('O19008','C00005','26-Jul-02',NULL,'S00004','F','N','24-May-04','In Process');

SALES\_ORDER\_DETAILS TABLE:

Insert into SALES\_ORDER\_DETAILS2728 values('O19001','P00001',4,4,525);

Insert into SALES\_ORDER\_DETAILS2728 values('O19001','P07965',2,1,8400);

Insert into SALES\_ORDER\_DETAILS2728 values('O19001','P07885',2,1,5250);

Insert into SALES\_ORDER\_DETAILS2728 values('O19002','P00001',10,0,525);

Insert into SALES\_ORDER\_DETAILS2728 values('O46865','P07868',3,3,3150);

Insert into SALES\_ORDER\_DETAILS2728 values('O46865','P07885',3,1,5250);

Insert into SALES\_ORDER\_DETAILS2728 values('O46865','P00001',10,10,525);

Insert into SALES\_ORDER\_DETAILS2728 values('O46865','P0345',4,4,1050);

///// Insert into SALES\_ORDER\_DETAILS2728 values('O19003','P03453',2,2,1050);

Insert into SALES\_ORDER\_DETAILS2728 values('O19003','P06734',1,1,12000);

Insert into SALES\_ORDER\_DETAILS2728 values('O46866','P07965',1,0,8400);

Insert into SALES\_ORDER\_DETAILS2728 values('O46866','P07975',1,0,1050);

Insert into SALES\_ORDER\_DETAILS2728 values('O19008','P00001',10,5,525);

Insert into SALES\_ORDER\_DETAILS2728 values('O19008','P07975',5,3,1050);

SQL> select name from client\_master2728 where client\_master2728.name like '\_a%';

NAME

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

Mamta Muzumdar

Hansel Colaco

SQL> select city from client\_master2728 where client\_master2728.city like '\_a%';

CITY

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

Madras

Bangalore

Mangalore

SQL> select city from client\_master2728 where client\_master2728.city like 'bombay'or 'delhi'

select city from client\_master2728 where client\_master2728.city like 'bombay'or 'delhi'

\*

ERROR at line 1:

ORA-00920: invalid relational operator

SQL> select city from client\_master2728 where client\_master2728.city = 'bombay'or client\_mas

no rows selected

SQL> select city from client\_master2728 where client\_master2728.city = 'mumbai'or client\_mas

no rows selected

SQL> select city from client\_master2728 where client\_master2728.city = 'Mumbai' or client\_ma

CITY

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

Mumbai

Mumbai

Mumbai

SQL> select \* from client\_master2728 where bal\_due>10000;

select \* from client\_master2728 where bal\_due>10000

\*

ERROR at line 1:

ORA-00904: "BAL\_DUE": invalid identifier

SQL> select \* from client\_master2728 where clent\_master2728.bal\_due>10000;

select \* from client\_master2728 where clent\_master2728.bal\_due>10000

\*

ERROR at line 1:

ORA-00904: "CLENT\_MASTER2728"."BAL\_DUE": invalid identifier

SQL> select \* from client\_master2728 where client\_master2728.bal\_due>10000;

select \* from client\_master2728 where client\_master2728.bal\_due>10000

\*

ERROR at line 1:

ORA-00904: "CLIENT\_MASTER2728"."BAL\_DUE": invalid identifier

SQL> select name from client\_master2728 where client\_master2728.bal\_due>10000;

select name from client\_master2728 where client\_master2728.bal\_due>10000

\*

ERROR at line 1:

ORA-00904: "CLIENT\_MASTER2728"."BAL\_DUE": invalid identifier

SQL> select name from client\_master2728 where client\_master2728.baldue>10000;

NAME

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

Ivan Bayross

SQL> desc sales\_order2728;

Name

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ORDERNO

CLIENTNO

ORDERDATE

DELYADDR

SALESMANNO

DELYTYPE

BILLYN

DELYDATE

ORDERSTATUS

SQL> select \* from sales\_order2728 where orderdate > TO\_DATE('31-MAY-04','dd-MON-yy') and or

no rows selected

SQL> select \* from sales\_order2728 where orderdate > TO\_DATE('31-05-04','dd-mm-yy') and orde

no rows selected

SQL> select \* from sales\_order2728 where orderdate between TO\_DATE('31-05-04','dd-mm-yy') an

no rows selected

SQL> select \* from sales\_order2728 where orderdate between TO\_DATE('31-MAY-04','dd-MON-yy')

no rows selected

SQL> select \* from sales\_order2728;

ORDERN CLIENT ORDERDATE DELYADDR SALESM D B DELYDATE ORDERSTATU

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

O19001 C00001 20-JUL-02 S00001 F N 12-JUN-04 In Process

O19002 C00002 27-JUN-02 S00002 P N 25-JUN-04 Cancelled

O46865 C00003 20-FEB-02 S00003 F Y 18-FEB-04 Fulfilled

O19003 C00001 07-APR-02 S00001 F Y 03-APR-04 Fulfilled

O46866 C00004 22-MAY-02 S00002 P N 20-MAY-04 Cancelled

O19008 C00005 26-JUL-02 S00004 F N 24-MAY-04 In Process

6 rows selected.

SQL> select \* from sales\_order2728 where orderdate between TO\_DATE('31-MAY-02','dd-MON-yy')

ORDERN CLIENT ORDERDATE DELYADDR SALESM D B DELYDATE ORDERSTATU

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

O19002 C00002 27-JUN-02 S00002 P N 25-JUN-04 Cancelled

SQL> select \* from sales\_order2728 where client\_no = 'C00001' and client\_no = 'C000002';

select \* from sales\_order2728 where client\_no = 'C00001' and client\_no = 'C000002'

\*

ERROR at line 1:

ORA-00904: "CLIENT\_NO": invalid identifier

SQL> select \* from sales\_order2728 where clientno = 'C00001' and clientno = 'C000002';

no rows selected

SQL> select \* from sales\_order2728 where clientno = 'C00001' and clientno = 'C00002';

no rows selected

SQL> select \* from sales\_order2728 where clientno = 'C00001'or clientno = 'C00002';

ORDERN CLIENT ORDERDATE DELYADDR SALESM D B DELYDATE ORDERSTATU

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

O19001 C00001 20-JUL-02 S00001 F N 12-JUN-04 In Process

O19002 C00002 27-JUN-02 S00002 P N 25-JUN-04 Cancelled

O19003 C00001 07-APR-02 S00001 F Y 03-APR-04 Fulfilled

SQL> select \* from product\_master2728 where sellprice>350 and sellprice<850;

PRODUC DESCRIPTION PROFITPERCENT UNITMEASUR QTYONHAND REORDERLVL SELLPRICE COSTPRICE

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

P0345 Shirts 6 Piece 150 50 500 350

P06734 Cotton Jeans 5 Piece 100 20 600 450

P07865 Jeans 5 Piece 100 20 750 500

P07885 Pull Overs 2.5 Piece 80 30 700 450

P08865 Skirts 5 Piece 75 30 450 300

SQL> update PRODUCT\_MASTER2728 set sellprice=sellprice\*0.15 where sellprice>350;

6 rows updated.

SQL> select \* from product\_master2728;

PRODUC DESCRIPTION PROFITPERCENT UNITMEASUR QTYONHAND REORDERLVL SELLPRICE COSTPRICE

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

P00001 T-Shirts 5 Piece 200 50 350 250

P0345 Shirts 6 Piece 150 50 75 350

P06734 Cotton Jeans 5 Piece 100 20 90 450

P07865 Jeans 5 Piece 100 20 112.5 500

P07868 Trousers 2 Piece 150 50 127.5 550

P07885 Pull Overs 2.5 Piece 80 30 105 450

P07965 Denim Shirts 4 Piece 100 40 350 250

P07975 Lycra Tops 5 Piece 70 30 300 175

P08865 Skirts 5 Piece 75 30 67.5 300

9 rows selected.

SQL>select NAME,CITY,STATE from CLIENT\_MASTER2728 where state not in 'Karnataka';

NAME CITY STATE

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Ivan Bayross Mumbai Maharashtra

Mamta Muzumdar Madras Tamil Nadu

Chhaya Bankar Mumbai Maharashta

Hansel Colaco Mumbai Maharashta

SQL> select count(\*) from sales\_order2728;

COUNT(\*)

----------

6

SQL> select avg(sellprice) from sales\_order2728;

select avg(sellprice) from sales\_order2728

\*

ERROR at line 1:

ORA-00904: "SELLPRICE": invalid identifier

SQL> select avg(sellprice) from product\_master2728;

AVG(SELLPRICE)

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

175.277778

SQL> ALTER TABLE product\_master2728

2 RENAME COLUMN sellprice TO newprice;

Table altered.

SQL> select \* from product\_master2728;

PRODUC DESCRIPTION PROFITPERCENT UNITMEASUR QTYONHAND REORDERLVL NEWPRICE COSTPRICE

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

P00001 T-Shirts 5 Piece 200 50 350 250

P0345 Shirts 6 Piece 150 50 75 350

P06734 Cotton Jeans 5 Piece 100 20 90 450

P07865 Jeans 5 Piece 100 20 112.5 500

P07868 Trousers 2 Piece 150 50 127.5 550

P07885 Pull Overs 2.5 Piece 80 30 105 450

P07965 Denim Shirts 4 Piece 100 40 350 250

P07975 Lycra Tops 5 Piece 70 30 300 175

P08865 Skirts 5 Piece 75 30 67.5 300

9 rows selected.

SQL> select max(newprice) as max\_price, min(newprice) as min\_price from product\_master2728;

MAX\_PRICE MIN\_PRICE

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

350 67.5

SQL> select count(\*) from product\_master2728 where costprice>250;

COUNT(\*)

----------

6

SQL> select \* from product\_master2728 where qtyonhand>reorderlvl;

PRODUC DESCRIPTION PROFITPERCENT UNITMEASUR QTYONHAND REORDERLVL NEWPRICE COSTPRICE

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

P00001 T-Shirts 5 Piece 200 50 350 250

P0345 Shirts 6 Piece 150 50 75 350

P06734 Cotton Jeans 5 Piece 100 20 90 450

P07865 Jeans 5 Piece 100 20 112.5 500

P07868 Trousers 2 Piece 150 50 127.5 550

P07885 Pull Overs 2.5 Piece 80 30 105 450

P07965 Denim Shirts 4 Piece 100 40 350 250

P07975 Lycra Tops 5 Piece 70 30 300 175

P08865 Skirts 5 Piece 75 30 67.5 300

9 rows selected.

SQL> select \* from product\_master2728 where qtyonhand>reorderlvl\*3;

PRODUC DESCRIPTION PROFITPERCENT UNITMEASUR QTYONHAND REORDERLVL NEWPRICE COSTPRICE

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

P00001 T-Shirts 5 Piece 200 50 350 250

P06734 Cotton Jeans 5 Piece 100 20 90 450

P07865 Jeans 5 Piece 100 20 112.5 500

SQL> select extract (DAY FROM sales\_order2728.orderdate), orderno from sales\_order2728;

EXTRACT(DAYFROMSALES\_ORDER2728.ORDERDATE) ORDERN

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

20 O19001

27 O19002

20 O46865

7 O19003

22 O46866

26 O19008

6 rows selected.

SQL> select extract (DAY FROM sales\_order2728.orderdate) as order\_day, orderno from sales\_order2728;

ORDER\_DAY ORDERN

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

20 O19001

27 O19002

20 O46865

7 O19003

22 O46866

26 O19008

6 rows selected.