**SQL Queries on creating and inserting table.**

1\* create table Client\_Master(ClientNo varchar(2),Name varchar(20),City varchar(15),Pincode varcha

SQL> create table Client\_Master(ClientNo varchar(2),Name varchar(20),City varchar(15),Pincode varcha

r(10),State varchar(20),BalDue varchar(10));

Table created.

SQL> insert into Client\_Master values('&ClientNo','&Name','&City',&Pincode,'&State',&BalDue);

Enter value for clientno: C1

Enter value for name: Ivan Bayross

Enter value for city: Mumbai

Enter value for pincode: 400054

Enter value for state: Maharashtra

Enter value for baldue: 15000

old 1: insert into Client\_Master values('&ClientNo','&Name','&City',&Pincode,'&State',&BalDue)

new 1: insert into Client\_Master values('C1','Ivan Bayross','Mumbai',400054,'Maharashtra',15000)

1 row created.

SQL> insert into Client\_Master values('&ClientNo','&Name','&City',&Pincode,'&State',&BalDue);

Enter value for clientno: C2

Enter value for name: Mamta muzumdar

Enter value for city: Madras

Enter value for pincode: 780001

Enter value for state: Tamil nadu

Enter value for baldue: 0

old 1: insert into Client\_Master values('&ClientNo','&Name','&City',&Pincode,'&State',&BalDue)

new 1: insert into Client\_Master values('C2','Mamta muzumdar','Madras',780001,'Tamil nadu',0)

1 row created.

SQL> insert into Client\_Master values('&ClientNo','&Name','&City',&Pincode,'&State',&BalDue);

Enter value for clientno: C4

Enter value for name: Ashwini Joshi

Enter value for city: Banglore

Enter value for pincode: 560001

Enter value for state: Karnataka

Enter value for baldue: 0

old 1: insert into Client\_Master values('&ClientNo','&Name','&City',&Pincode,'&State',&BalDue)

new 1: insert into Client\_Master values('C4','Ashwini Joshi','Banglore',560001,'Karnataka',0)

1 row created.

SQL> Select \* from Client\_Master ;

CL NAME CITY PINCODE STATE BALDUE

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C1 Ivan Bayross Mumbai 400054 Maharashtra 15000

C2 Mamta muzumdar Madras 780001 Tamil nadu 0

C3 Chhaya Bankar Mumbai 400057 Maharashtra 5000

C4 Ashwini Joshi Banglore 560001 Karnataka 0

C5 Hansel Colaco Mumbai 400060 Maharashtra 2000

C6 Deepak Sharma Mangalore 560050 Karanataka 0

6 rows selected.

1\* Create table Product\_Master(ProductNo varchar(4),Discription varchar(20),ProfitPercent float(4)

SQL> Create table Product\_Master(ProductNo varchar(4),Discription varchar(20),ProfitPercent float(4)

,UnitMeasure varchar(10),QtyOnHand varchar(4),ReorderLvl varchar(3),SellPrice varchar(5),CostPrice v

archar(5));

Table created.

SQL> insert into Product\_Master values('&ProductNo','&Discription',&ProfitPercent,'&UnitMeasure',&Qt

yOnHand,&ReorderLvl,&SellPrice,&CostPrice);

Enter value for productno: P1

Enter value for discription: T-shirt

Enter value for profitpercent: 5

Enter value for unitmeasure: Piece

Enter value for qtyonhand: 200

Enter value for reorderlvl: 50

Enter value for sellprice: 350

Enter value for costprice: 250

old 1: insert into Product\_Master values('&ProductNo','&Discription',&ProfitPercent,'&UnitMeasure'

new 1: insert into Product\_Master values('P1','T-shirt',5,'Piece',200,50,350,250)

1 row created.

SQL> ed

SQL> insert into Product\_Master values('&ProductNo','&Discription',&ProfitPercent,'&UnitMeasure',&Qt

yOnHand,&ReorderLvl,&SellPrice,&CostPrice);

Enter value for productno: P2

Enter value for discription: Shirt

Enter value for profitpercent: 6

Enter value for unitmeasure: Piece

Enter value for qtyonhand: 150

Enter value for reorderlvl: 50

Enter value for sellprice: 500

Enter value for costprice: 350

old 1: insert into Product\_Master values('&ProductNo','&Discription',&ProfitPercent,'&UnitMeasure'

new 1: insert into Product\_Master values('P2','Shirt',6,'Piece',150,50,500,350)

1 row created.

SQL> insert into Product\_Master values('&ProductNo','&Discription',&ProfitPercent,'&UnitMeasure',&Qt

yOnHand,&ReorderLvl,&SellPrice,&CostPrice);

Enter value for productno: P4

Enter value for discription: Jeans

Enter value for profitpercent: 5

Enter value for unitmeasure: Piece

Enter value for qtyonhand: 100

Enter value for reorderlvl: 20

Enter value for sellprice: 750

Enter value for costprice: 500

old 1: insert into Product\_Master values('&ProductNo','&Discription',&ProfitPercent,'&UnitMeasure'

new 1: insert into Product\_Master values('P4','Jeans',5,'Piece',100,20,750,500)

1 row created.

SQL> select \* from Product\_Master ;

PROD DISCRIPTION PROFITPERCENT UNITMEASUR QTYO REO SELLP COSTP

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P1 T-shirt 5 Piece 200 50 350 250

P2 Shirt 6 Piece 150 50 500 350

P3 Cotton Jeans 5 Piece 100 20 600 450

P4 Jeans 5 Piece 100 20 750 500

SQL> create table Salesman\_Master(Colum\_name varchar2(6),Salesman\_Name varchar(20),Address1 varchar2(30),Address2 varchar2(30),City varchar(20),Pincode number(8),State varchar2(20),Salamat number(8,2),Tgttoget number(6,2),Ytdsales number(6,2),Remarks varchar2(60));

Table created.

1\* insert into Salesman\_Master values('&Colum\_name','&Salesman\_Name','&Address1','&Address2','&City',&Pincode,'&State',&Salamat,&Tgttoget,&Ytdsales,'&Remarks')

SQL> /

Enter value for colum\_name: S00001

Enter value for salesman\_name: Aman

Enter value for address1: A\14

Enter value for address2: Worli

Enter value for city: Mumbai

Enter value for pincode: 400002

Enter value for state: Maharashtra

Enter value for salamat: 3000

Enter value for tgttoget: 100

Enter value for ytdsales: 50

Enter value for remarks: good

1 rows created.

SQL>select \* from Salesman\_Master;

COLUM\_NAME SALESMAN\_NAME ADDRESS1 ADDRESS2 CITY PINCODE STATE SALAMAT TGTTOGET YTDSALES REMARKS

S00003 Raj p-7 Bandra Mumbai 400032 Maharashtra 3000 200 100 good

S00002 Omkar 65 Nariman Mumbai 400001 Maharashtra 3000 200 50 good

S00004 Ashish A/5 Juhu Mumbai 400044 Maharashtra 3500 200 150 good

S00001 Aman A/14 Worli Mumbai 400002 Maharashtra 3000 100 50 good

SQL> desc Salesman\_Master;

Name Null? Type

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COLUM\_NAME VARCHAR2(6)

SALESMAN\_NAME VARCHAR2(20)

ADDRESS1 VARCHAR2(30)

ADDRESS2 VARCHAR2(30)

CITY VARCHAR2(20)

PINCODE NUMBER(8)

STATE VARCHAR2(20)

SALAMAT NUMBER(8,2)

TGTTOGET NUMBER(6,2)

YTDSALES NUMBER(6,2)

REMARKS VARCHAR2(60)

**a. Exercise on retrieving reords from a table.**

* **Query No:1:-Retrieve the entire contents of the Client\_Master table.**

SQL> select \* from Client\_Master ;

CL NAME CITY PINCODE STATE BALDUE

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C1 Ivan Bayross Mumbai 400054 Maharashtra 15000

C2 Mamta muzumdar Madras 780001 Tamil nadu 0

C3 Chhaya Bankar Mumbai 400057 Maharashtra 5000

C4 Ashwini Joshi Banglore 560001 Karnataka 0

C5 Hansel Colaco Mumbai 400060 Maharashtra 2000

C6 Deepak Sharma Mangalore 560050 Karanataka 0

6 rows selected.

* **Quert No:2:- Find out the names of all the clients.**

SQL> select Name from Client\_Master ;

NAME

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Ivan Bayross

Mamta muzumdar

Chhaya Bankar

Ashwini Joshi

Hansel Colaco

Deepak Sharma

6 rows selected.

* **Query No:3:-Retrieve the names, city and states of all the clients.**

SQL> select distinct Name,City,State from Client\_Master ;

NAME CITY STATE

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Ashwini Joshi Banglore Karnataka

Chhaya Bankar Mumbai Maharashtra

Deepak Sharma Mangalore Karanataka

Hansel Colaco Mumbai Maharashtra

Ivan Bayross Mumbai Maharashtra

Mamta muzumdar Madras Tamil nadu

6 rows selected.

* **Query No:4:-List the various products available from the Product\_Master table.**

SQL> select Discription from Product\_Master ;

DISCRIPTION

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T-shirt

Shirt

Cotton Jeans

Jeans

* **Query No:5:-List all the clients who are located in Mumbai.**

SQL> select \* from Client\_Master where City='Mumbai' ;

CL NAME CITY PINCODE STATE BALDUE

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

C1 Ivan Bayross Mumbai 400054 Maharashtra 15000

C3 Chhaya Bankar Mumbai 400057 Maharashtra 5000

C5 Hansel Colaco Mumbai 400060 Maharashtra 2000

**b. Exercise on updating records in a table.**

* **Query No 1 :-Change the city of CilentNo ‘C5’ to ‘Banglore’.**

SQL> update Client\_Master set City='Bangalore' where ClientNo='C5';

1 row updated.

SQL> select \* from Client\_Master ;

CL NAME CITY PINCODE STATE BALDUE

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

C1 Ivan Bayross Mumbai 400054 Maharashtra 15000

C2 Mamta muzumdar Madras 780001 Tamil nadu 0

C3 Chhaya Bankar Mumbai 400057 Maharashtra 5000

C4 Ashwini Joshi Banglore 560001 Karnataka 0

C5 Hansel Colaco Bangalore 400060 Maharashtra 2000

C6 Deepak Sharma Mangalore 560050 Karanataka 0

6 rows selected.

* **Query No 2:-Change the BalDue of CilentNo ‘C1’ to Rs. 1000**

SQL> update Client\_Master set BalDue=1000 where ClientNo='C1';

1 row updated.

SQL> select \* from Client\_Master;

CL NAME CITY PINCODE STATE BALDUE

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

C1 Ivan Bayross Mumbai 400054 Maharashtra 1000

C2 Mamta muzumdar Madras 780001 Tamil nadu 0

C3 Chhaya Bankar Mumbai 400057 Maharashtra 5000

C4 Ashwini Joshi Banglore 560001 Karnataka 0

C5 Hansel Colaco Bangalore 400060 Maharashtra 2000

C6 Deepak Sharma Mangalore 560050 Karanataka 0

6 rows selected.

**C. Change the cost price of ‘Trousers’ to Rs. 950.00.**

SQL> update PRODUCT\_MASTER set COST\_PRICE=950.00 where PRODUCT\_NUMBER='C0005';

1 row updated.

SQL> select COST\_PRICE from PRODUCT\_MASTER where PRODUCT\_NUMBER='C0005';

COST\_PRICE

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950.00

1. **Exercise on deleting records in a table**
   * **Query No.1 :- Delete all Salesmen from the Salesman\_Master whose salaries are equal to Rs. 3500.**

SQL> delete from SALESMAN\_MASTER where SALAMAT=3500;

1 row deleted.

SQL> select \* from SALESMAN\_MASTER;

COLUM\_NAME SALESMAN\_NAME ADDRESS1 ADDRESS2 CITY PINCODE STATE SALAMAT TGTTOGET YTDSALES REMARKS

S00003 Raj p-7 Bandra Mumbai 400032 Maharashtra 3000 200 100 good

S00002 Omkar 65 Nariman Mumbai 400001 Maharashtra 3000 200 50 good

S00001 Aman A/14 Worli Mumbai 400002 Maharashtra 3000 100 50 good

* **Query No.2:-Change the city of the Salesman to Pune.**

SQL> update SALESMAN\_MASTER set CITY='PUNE';

3 rows updated.

COLUM\_NAME SALESMAN\_NAME ADDRESS1 ADDRESS2 CITY PINCODE STATE SALAMAT TGTTOGET YTDSALES REMARKS

S00003 Raj p-7 Bandra PUNE 400032 Maharashtra 3000 200 100 good

S00002 Omkar 65 Nariman PUNE 400001 Maharashtra 3000 200 50 good

S00001 Aman A/14 Worli PUNE 400002 Maharashtra 3000 100 50 good

1. **Exercise on renaming the table.**

* **Query No.1:-Change the name of Salesman\_Master table to Sman\_Mast.**

SQL> rename SALESMAN\_MASTER to SMAN\_MAST;

Table renamed.

SQL> desc SMAN\_MAST;

Name Null? Type

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COLUM\_NAME VARCHAR2(6)

SALESMAN\_NAME VARCHAR2(20)

ADDRESS1 VARCHAR2(30)

ADDRESS2 VARCHAR2(30)

CITY VARCHAR2(20)

PINCODE NUMBER(8)

STATE VARCHAR2(20)

SALAMAT NUMBER(8,2)

TGTTOGET NUMBER(6,2)

YTDSALES NUMBER(6,2)

REMARKS VARCHAR2(60)