

Guru Ghasidas University

A Central University Bilaspur (C.G)

Department of Computer Science & Information Technology



Assignment

[Relational Database Management System]

MASTER OF COMPUTER APPLICATION

SESSION:2019-20

MCA-III

Subject code: MCA-306

PATH OF FILE = D:\RDBMS\INDRESH RDBMS FILE

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INDEX

SNO.	DESCRIPTION	PAGENO.	DATE	REMARK
<u>ASSIGNMENT -1</u>				
1	FIND OUT THE NAMES OF ALL THE CLIENTS.	8	04/08/2019	
2	RETRIVE THE ENTIRE CONTAIN OF THE CLIENT MASTER TABLE	8	04/08/2019	
3	RETRIVE THE LIST OF NAME CITY AND THE STATEOF ALL THE CLIENT.	9	04/08/2019	
4	LIST THE VARIOUS PRODUCT AVAILABLE FROM THE PRODUCT MASTER TABLE.	9	04/08/2019	
5	LIST THE ALL CLIENT TO ALL LOCATED IN BSP.	9	04/08/2019	
6	FIND THE NAMES OF SALES MAN WHO HAVE A SALARY=3000.	10	04/08/2019	
7	CHANGE THE CITY OF THE CLIENT NO'C00005' TO BSP.	10	04/08/2019	
8	CHANGE THE BALDUE OF THE CLIENT NO'C00001' TO RUPEES 1000.	10	04/08/2019	
9	CHANGE THE COST PRICE OF T-SHIRT TO RUPEES 950.00.	11	04/08/2019	
10	CHANGE THE CITY OF THE SALESMAN TO RAIPUR .	11	04/08/2019	
11	DELETE ALL SALESMAN FROM THE SALESMAN MASTER TO SALAERY=3500.	11	04/08/2019	
12	DELETE ALL PRODUCT FROM PRODUCT MASTER WHERE THE QUANTITY ON HAND=100.	12	04/08/2019	
13	DELETE FROM CLIENT MASTER WHERE THE COLUMN STATE HOLD THE VALUE BSP.	12	04/08/2019	
14	ADD A COLUMN CALLED TELEPHONE OF DATATYPE NO AND SIZE=10 TO THE CLIENT MASTER TABLE.	12	04/08/2019	
15	CHANGE THE SIZE OF SALES PRICE COLUMN IN PRODUCT MASTER TO10,2.	13	04/08/2019	
16	DISTROY THE TABLE CLIENT MASTER ALONG WITH ITS DATA.	13	04/08/2019	
17	CHANGE THE NAME OF SALESMAN MASTER TABLE TO SMAN MASTER.	13	04/08/2019	

ASSIGNMENT -2

1	LIST THE NAME OF ALL CLIENT HAVING 'a' AND THE SECOND LETTER IN THEIR NAMES.	16	11/08/2019	
2	LIST THE CLIENT WHO STAY IN THE CITY WHOES FIRST LETTER IS 'M'.	16	11/08/2019	
3	LIST ALL THE CLIENT WHO STAY IN 'RAIPUR' OR 'BSP'.	16	11/08/2019	
4	LIST ALL THE CLIENT WHOES BALDUE IS >10000.	16	11/08/2019	
5	LIST ALL INFORMATION FROM THE SALES_ORDER TABLE FOR ORDER PLACE IN THE MONTH OF JUNE.	17	11/08/2019	
6	LIST THE ORDER INFORMATION FOR CLIENTNO 'C00001' AND 'C00002'.	17	11/08/2019	
7	LIST PRODUCT WHO SALEING PRICE IS GREATER THAN 500 AND LESSTHAN=750.	17	11/08/2019	
8	LIST PRODUCT WHO SALEING PRICE MORE THAN 500 CALCULATE A NEW SALING PRICE AS ORIGINAL SALEING PRICE *1.5. WE NAME THE NEW COLUMN IN THE OUTPUT OF THE ABOVE QUERY AS NEW PRICE.	18	11/08/2019	
9	LIST THE NAME CITY AND THE STATE OF CLIENT WHO ARE NOT IN THE STATE OF CG.	18	11/08/2019	
10	COUNT THE TOTAL NO OF ORDER. CALCULATE THE AVG PRICE OF ALL PRODUCT.	18	11/08/2019	
11	CALCULATE THE AVG PRICE OF ALL PRODUCT.	19	11/08/2019	
12	DETERMINE THE MAXIMUM AND MINIMUM PRODUCT PRICE WE NAME THE OUTPUT AS MAX PRICE ,MIN PRICE RESPECTIVILY.	19	11/08/2019	
13	COUNT THE NO. OF PRODUCT HAVING PRICE >=500.	19	11/08/2019	
14	LIST ALL THE PRODUCT WHOES QTYONHAND IS LESS THAN REORDERLVL.	19	11/08/2019	
15	LIST THE DATE ,15 DAYS AFTER TODAYS DATE.	19	11/08/2019	

ASSIGNMENT-3

1.EXERCISE ON USING HAVING AND GROUP BY CLAUSES-

1	PRINT THE DESCRIPTION AND TOTAL QUANTITY SOLD FOR EACH PRODUCT	20	25/09/2019	
2	FIND THE VALUE OF EACH PRODUCT SOLD	20	25/09/2019	
3	CALCULATE THE AVERAGE QUANTITY FOR EACH CLIENT THAT HAS A MAXIMUM ORDER VALUE OF 15000.00	21	25/09/2019	
4	FIND OUT THE TOTAL OF ALL THE BILLED ORDERS FOR THE MONTH OF JUNE	21	25/09/2019	

2.EXERCISE ON JOIN AND CORRELATION CLAUSES—

1	FIND OUT THE PRODUCT ,WHICH HAVE BEEN SOLD TO 'INDRESH'	22	25/09/2019	
2	FIND OUT THE PRODUCTS AND THEIR QUANTITIES THAT WILL HAVE TO BE DELIVERED IN THE CURRENT MONTH	22	25/09/2019	
3	LIST THE PRODUCTNO AND DESCRIPTION OF CONSTANTLY SOLD (i.e. –rapidly moving) PRODUCTS	22	25/09/2019	
4	FIND THE NAMES OF CLIENTS WHO HAVE PURCHASE 'T-SHIRT'	23	25/09/2019	
5	LIST THE PRODUCTS AND ORDERS FROM CUSTOMERS WHO HAVE ORDERED LESS THAN 5 UNITS OF 'SHIRT'.	23	25/09/2019	
6	FIND THE PRODUCTS AND THEIR QUANTITIES FOR ORDERS PLACED BY 'INDRESH' AND 'KHILESH'	23	25/09/2019	
7	FIND THE PRODUCTS AND THEIR QUANTITIES FOR THE ORDERS PLACED BY CLIENTNO 'C00001' ,'C00002'	23	25/09/2019	

3.EXERCISE ON SUBQUERIES –

1	FIND THE PRODUCTNO AND DESCRIPTION OF NON-MOVING PRODUCTS i.e.- PRODUCTS NOT BEING SOLD	24	25/09/2019	
2	LIST THE CUSTOMER NAME,ADRESS,CITY AND PINCODE FOR THE CLIENT WHO HAS PLACED ORDERNO 'O19001'	24	25/09/2019	
3	LIST THE CLIENT NAMES THAT HAVE PLACED ORDERS BEFORE THE MONTH OF JUL-04	25	25/09/2019	
4	LIST IF THE PRODUCT 'T-SHIRT' HAS BEEN ORDERD BY ANY CLIENT AND PRINT THE CLIENTNO NAME TO WHOM IT WAS SOLD	25	25/09/2019	
5	LIST THE NAMES OF CLIENTS WHO HAVE PLACED ORDERS WORTH RS 10000 OR MORE	25	25/09/2019	

ASSIGNMENT-1

//CREATING TABLE--

//1. CREATE CLIENT_MASTER TABLE--

```
CREATE TABLE CLIENT_MASTER(CLIENTNO VARCHAR(6),NAME VARCHAR(20),CITY VARCHAR(15),PINCODE  
NUMBER(8),STATE VARCHAR(15),BALDUE NUMBER(10,2),PRIMARY KEY(CLIENTNO));
```

//INSERTING DATA IN TABLE--

```
INSERT ALL
```

```
INTO CLIENT_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00001' , 'INDRESH' , 'BILASPUR' ,  
495330 , 'CG' , 15000)
```

```
INTO CLIENT_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00002' , 'AKSHAY' , 'KORBA' , 495001  
, 'CG' , 0)
```

```
INTO CLIENT_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00003' , 'SHASHANK' , 'RAIPUR' ,  
495006 , 'CG' , 5000)
```

```
INTO CLIENT_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00004' , 'KHILESH' , 'DHAMTARI' ,  
495009 , 'CG' , 0)
```

```
INTO CLIENT_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00005' , 'KHEMDAS' , 'MUNGELI' ,  
495010 , 'CG' , 2000)
```

```
INTO CLIENT_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00006' , 'JAY' , 'BILASPUR' , 495333  
, 'CG' , 0)
```

```
SELECT * FROM dual;
```

//DISPLAY TABLE

```
SELECT * FROM CLIENT_MASTER;
```

CLIENTNO	NAME	CITY	PINCODE	STATE	BALDUE
C00001	INDRESH	BILASPUR	495330	CG	15000
C00002	AKSHAY	KORBA	495001	CG	0
C00003	SHASHANK	RAIPUR	495006	CG	5000
C00004	KHILESH	DHAMTARI	495009	CG	0
C00005	KHEMDAS	MUNGELI	495010	CG	2000
C00006	JAY	BILASPUR	495333	CG	0

//CREATING TABLE--

//2. CREATE PRODUCT_MASTER TABLE--

```
CREATE TABLE PRODUCT_MASTER(PRODUCTNO VARCHAR(6),DESCRIPTION VARCHAR(15),PROFITPERCENT  
NUMBER(4,2),QTYONHAND NUMBER(8),REORDERLVL NUMBER(8),SELLPRICE NUMBER(8,2),COSTPRICE  
NUMBER(8,2),PRIMARY KEY(PRODUCTNO));
```

//INSERTING DATA IN TABLE--

INSERT ALL

```
INTO PRODUCT_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE)  
VALUES('P00001' , 'T-SHIRT' , 5 , 200 ,50 ,350,250)
```

```
INTO PRODUCT_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE)  
VALUES('P00002' , 'SHIRT' , 6 , 150 ,50 ,500,350)
```

```
INTO PRODUCT_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE)  
VALUES('P00003' , 'COTTON_JEANS' , 5 , 100 ,20 ,600,450)
```

```
INTO PRODUCT_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE)  
VALUES('P00004' , 'JEANS' , 5 , 100 ,20 ,750,500)
```

```
INTO PRODUCT_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE)  
VALUES('P00005' , 'TROUSERS' , 2 , 150 ,50 ,850,550)
```

```
INTO PRODUCT_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE)  
VALUES('P00006' , 'PULL_OVERS' , 2.5 , 80 ,30 ,700,450)
```

```
INTO PRODUCT_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE)  
VALUES('P00007' , 'DENIM_SHIRTS' , 4 , 100 ,40 ,350,250)
```

```
INTO PRODUCT_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE)  
VALUES('P00008' , 'LYCRA_TOPS' , 5 , 70 ,30 ,300,175)
```

```
INTO PRODUCT_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE)  
VALUES('P00009' , 'SKIRTS' , 5 , 75 ,30 ,450,300)
```

SELECT * FROM dual;

//DISPLAY TABLE

SELECT * FROM PRODUCT_MASTER;

PRODUCTNO	DESCRIPTION	PROFITPERCENT	QTYONHAND	REORDERLVL	SELLPRICE	COSTPRICE
P00001	T-SHIRT	5	200	50	350	250
P00002	SHIRT	6	150	50	500	350
P00003	COTTON_JEANS	5	100	20	600	450
P00004	JEANS	5	100	20	750	500
P00005	TROUSERS	2	150	50	850	550
P00006	PULL_OVERS	2.5	80	30	700	450
P00007	DENIM_SHIRTS	4	100	40	350	250
P00008	LYCRA_TOPS	5	70	30	300	175
P00009	SKIRTS	5	75	30	450	300

// CREATING TABLE—

//3. CREATE SALESMAN_MASTER TABLE--

```
CREATE TABLE SALESMAN_MASTER(SALESMANNO VARCHAR(6),NAME VARCHAR(20),ADRESS VARCHAR(30),CITY
VARCHAR(8),PINCODE NUMBER(8),STATE VARCHAR(20),SALAMT NUMBER(8,2),TGTTTOGET NUMBER(6,2),YTDSALES
NUMBER(6,2),REMARK VARCHAR(60),PRIMARY KEY(SALESMANNO));
```

//INSERTING DATA IN TABLE—

INSERT ALL

```
INTO SALESMAN_MASTER(SALESMANNO,NAME,ADRESS,CITY ,PINCODE,STATE
,SALAMT,TGTTTOGET,YTDSALES,REMARK)VALUES('S00001' , 'AMAN' , 'KONI','BILASPUR', 495001 , 'CG'
,3000,100,50,'GOOD');
```

```
INTO SALESMAN_MASTER(SALESMANNO,NAME,ADRESS,CITY ,PINCODE,STATE ,SALAMT,TGTTTOGET,YTDSALES,REMARK)
VALUES('S00002' , 'OMKAR' , 'TAKHATPUR','BILASPUR', 495330 , 'CG' ,3000,200,100,'GOOD')
```

```
INTO SALESMAN_MASTER(SALESMANNO,NAME,ADRESS,CITY ,PINCODE,STATE ,SALAMT,TGTTTOGET,YTDSALES,REMARK)
VALUES('S00003' , 'RAJ' , 'BIRGAON','RAIPUR', 495009 , 'CG' ,3000,200,100,'GOOD')
```

```
INTO SALESMAN_MASTER(SALESMANNO,NAME,ADRESS,CITY ,PINCODE,STATE ,SALAMT,TGTTTOGET,YTDSALES,REMARK)
VALUES('S00004' , 'ASHISH' , 'BHILAI','DURG', 495110 , 'CG' ,3500,200,150,'GOOD')
```

SELECT * FROM dual;

//DISPLAY TABLE

SELECT * FROM SALESMAN_MASTER;

SALESMANNO	NAME	ADRESS	CITY	PINCODE	STATE	SALAMT	TGTTTOGET	YTDSALES	REMARK
S00001	AMAN	KONI	BILASPUR	495001	CG	3000	100	50	GOOD
S00002	OMKAR	TAKHATPUR	BILASPUR	495330	CG	3000	200	100	GOOD
S00003	RAJ	BIRGAON	RAIPUR	495009	CG	3000	200	100	GOOD
S00004	ASHISH	BHILAI	DURG	495110	CG	3500	200	150	GOOD

//ASSIGNMENT QUESTION-ANSWERS===

1) FIND THE NAMES OF CLIENTS--

SELECT NAME FROM CLIENT_MASTER;

NAME
INDRESH
AKSHAY
SHASHANK
KHILESH
KHEMDAS
JAY

2) RETRIVE THE ENTIRE CONTENTS OF THE CLIENT_MASTER--

SELECT * FROM CLIENT_MASTER;

CLIENTNO	NAME	CITY	PINCODE	STATE	BALDUE
C00001	INDRESH	BILASPUR	495330	CG	15000
C00002	AKSHAY	KORBA	495001	CG	0
C00003	SHASHANK	RAIPUR	495006	CG	5000
C00004	KHILESH	DHANTARI	495009	CG	0
C00005	KHEMDAS	MUNGELI	495010	CG	2000
C00006	JAY	BILASPUR	495333	CG	0

3) RETRIVE THE NAMES, CITY AND THE STATE OF ALL THE CLIENTS--

SELECT NAME, CITY, STATE FROM CLIENT_MASTER;

NAME	CITY	STATE
INDRESH	BILASPUR	CG
AKSHAY	KORBA	CG
SHASHANK	RAIPUR	CG
KHILESH	DHAMDARI	CG
KHEMDAS	MUNGELI	CG
JAY	BILASPUR	CG

4) LIST OF THE VARIOUS PRODUCTS AVAILABLE FROM THE PRODUCT_MASTER--

SELECT DESCRIPTION FROM PRODUCT_MASTER;

DESCRIPTION
T-SHIRT
SHIRT
COTTON_JEANS
JEANS
TROUSERS
PULL_OVERS
DENIM_SHIRTS
LYCRA_TOPS
SKIRTS

5) FIND THE NAMES OF CLIENTS WHO ARE LOCATED IN BILASPUR--

SELECT NAME FROM CLIENT_MASTER WHERE CITY='BILASPUR';

NAME
INDRESH
JAY

6) FIND THE SALES WHO HAVE SALARY EQUAL TO 3000

SELECT NAME FROM SALESMAN_MASTER WHERE SALAMT=3000;

NAME
AMAN
OMKAR
RAJ

7) CHANGE THE CITY OF CLIENTNO C00005 TO BILASPUR--

UPDATE CLIENT_MASTER SET CITY='BILASPUR' WHERE CLIENTNO='C00005';

SELECT * FROM CLIENT_MASTER;

CLIENTNO	NAME	CITY	PINCODE	STATE	BALDUE
C00001	INDRESH	BILASPUR	495330	CG	15000
C00002	AKSHAY	KORBA	495001	CG	0
C00003	SHASHANK	RAIPUR	495006	CG	5000
C00004	KHILESH	DHAMTARI	495009	CG	0
C00005	KHEMDAS	BILASPUR	495010	CG	2000
C00006	JAY	BILASPUR	495333	CG	0

8) CHANGE THE VALUE OF BALANCE DUE OF CLIENTNO C00001 TO 10000

UPDATE CLIENT_MASTER SET BALDUE=10000 WHERE CLIENTNO='C00001';

SELECT * FROM CLIENT_MASTER;

CLIENTNO	NAME	CITY	PINCODE	STATE	BALDUE
C00001	INDRESH	BILASPUR	495330	CG	10000
C00002	AKSHAY	KORBA	495001	CG	0
C00003	SHASHANK	RAIPUR	495006	CG	5000
C00004	KHILESH	DHAMTARI	495009	CG	0
C00005	KHEMDAS	BILASPUR	495010	CG	2000
C00006	JAY	BILASPUR	495333	CG	0

9) CHANGE THE COST PRICE OF T-SHIRT TO RUPEES 950.00

UPDATE PRODUCT_MASTER SET COSTPRICE=950 WHERE DESCRIPTION='T-SHIRT';

SELECT * FROM PRODUCT_MASTER;

PRODUCTNO	DESCRIPTION	PROFITPERCENT	QTYONHAND	REORDERLVL	SELLPRICE	COSTPRICE
P00001	T-SHIRT	5	200	50	350	950
P00002	SHIRT	6	150	50	500	350
P00003	COTTON_JEANS	5	100	20	600	450
P00004	JEANS	5	100	20	750	500
P00005	TROUSERS	2	150	50	850	550
P00006	PULL_OVERS	2.5	80	30	700	450
P00007	DENIM_SHIRTS	4	100	40	350	250
P00008	LYCRA_TOPS	5	70	30	300	175
P00009	SKIRTS	5	75	30	450	300

10) CHANGE THE CITY OF SALESMAN TO RAIPUR--

UPDATE SALESMAN_MASTER SET CITY= 'RAIPUR' ;

SELECT * FROM SALESMAN_MASTER;

SALESMANNO	NAME	ADRESS	CITY	PINCODE	STATE	SALAMT	TGTTTOGET	YTDSALES	REMARK
S00001	AMAN	KONI	RAIPUR	495001	CG	3000	100	50	GOOD
S00002	OMKAR	TAKHATPUR	RAIPUR	495330	CG	3000	200	100	GOOD
S00003	RAJ	BIRGAON	RAIPUR	495009	CG	3000	200	100	GOOD
S00004	ASHISH	BHILAI	RAIPUR	495110	CG	3500	200	150	GOOD

11) DELETE OLD SALESMAN FROM THE SALESMAN MASTER WHOSE SALARIES ARE EQUAL TO 3500 RUPEES--

DELETE FROM SALESMAN_MASTER WHERE SALAMT=3500;

SELECT * FROM SALESMAN_MASTER;

SALESMANNO	NAME	ADRESS	CITY	PINCODE	STATE	SALAMT	TGTTTOGET	YTDSALES	REMARK
S00001	AMAN	KONI	RAIPUR	495001	CG	3000	100	50	GOOD
S00002	OMKAR	TAKHATPUR	RAIPUR	495330	CG	3000	200	100	GOOD
S00003	RAJ	BIRGAON	RAIPUR	495009	CG	3000	200	100	GOOD

12) DELETE ALL PRODUCTS FROM PRODUCT_MASTER WHERE THE QUANTITY ON HAND EQUAL TO 100

DELETE FROM PRODUCT_MASTER WHERE QTYONHAND=100;

SELECT * FROM PRODUCT_MASTER;

PRODUCTNO	DESCRIPTION	PROFITPERCENT	QTYONHAND	REORDERLVL	SELLPRICE	COSTPRICE
P00001	T-SHIRT	5	200	50	350	950
P00002	SHIRT	6	150	50	500	350
P00005	TROUSERS	2	150	50	850	550
P00006	PULL_OVERS	2.5	80	30	700	450
P00008	LYCRA_TOPS	5	70	30	300	175
P00009	SKIRTS	5	75	30	450	300

13) DELETE FROM CLIENT_MASTER WHERE THE COLUMN CITY HOLD THE VALUE BILASPUR--

DELETE FROM CLIENT_MASTER WHERE CITY ='BILASPUR';

SELECT * FROM CLIENT_MASTER;

CLIENTNO	NAME	CITY	PINCODE	STATE	BALDUE
C00002	AKSHAY	KORBA	495001	CG	0
C00003	SHASHANK	RAIPUR	495006	CG	5000
C00004	KHILESH	DHAMDARI	495009	CG	0

14) ADD A COLUMN CALLED TELEPHONE OF DATATYPE NUMBER AND SIZE =10 TO THE CLIENT_MASTER TABLE--

ALTER TABLE CLIENT_MASTER ADD(TELEPHONE NUMBER(10));

SELECT * FROM CLIENT_MASTER;

CLIENTNO	NAME	CITY	PINCODE	STATE	BALDUE	TELEPHONE
C00002	AKSHAY	KORBA	495001	CG	0	-
C00003	SHASHANK	RAIPUR	495006	CG	5000	-
C00004	KHILESH	DHAMDARI	495009	CG	0	-

15) CHANGE THE SIZE OF SALE PRICE COLUMN IN PRODUCT MASTER TO 10,2

ALTER TABLE PRODUCT_MASTER MODIFY (SELLPRICE NUMBER(10,2));

SELECT * FROM PRODUCT_MASTER;

PRODUCTNO	DESCRIPTION	PROFITPERCENT	QTYONHAND	REORDERLVL	SELLPRICE	COSTPRICE
P00001	T-SHIRT	5	200	50	350	950
P00002	SHIRT	6	150	50	500	350
P00005	TROUSERS	2	150	50	850	550
P00006	PULL_OVERS	2.5	80	30	700	450
P00008	LYCRA_TOPS	5	70	30	300	175
P00009	SKIRTS	5	75	30	450	300

16) DESTROY THE TABLE CLIENT_MASTER ALONG WITH ITS DATA--

DROP TABLE CLIENT_MASTER;

Table dropped.

17) CHANGE THE NAME OF THE SALESMAN_MASTER TABLE TO SMAN_MASTER--

ALTER TABLE SALESMAN_MASTER RENAME TO SMAN_MASTER;

SELECT * FROM SMAN_MASTER;

SALESMANNO	NAME	ADRESS	CITY	PINCODE	STATE	SALAMT	TGTTTOGET	YTDSALES	REMARK
S00001	AMAN	KONI	RAIPUR	495001	CG	3000	100	50	GOOD
S00002	OMKAR	TAKHATPUR	RAIPUR	495330	CG	3000	200	100	GOOD
S00003	RAJ	BIRGAON	RAIPUR	495009	CG	3000	200	100	GOOD

ASSIGNMENT-2

//CREATING TABLE --

//1.CREATE TABLE SALES_ORDER--

```
CREATE TABLE SALES_ORDER(ORDERNO VARCHAR(6),CLIENTNO VARCHAR(6),ORDERDATE DATE,SALESMANNO  
VARCHAR(8),DELYTYPE VARCHAR(15),BILLYN VARCHAR(2),DELYDATE DATE,ORDERSTATUS VARCHAR(10),PRIMARY  
KEY(ORDERNO));
```

//INSERTING DATA IN TABLE--

INSERT ALL

```
INTO SALES_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS)  
VALUES('O19001' , 'C00001' , '12-JUN-04' , 'S00001' , 'F' , 'N','20-JULY-02','IN PROCESS')
```

```
INTO SALES_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS)  
VALUES('O19002' , 'C00002' , '13-JUN-04' , 'S00002' , 'F' , 'Y','21-JULY-02','IN PROCESS')
```

```
INTO SALES_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS)  
VALUES('O19003' , 'C00003' , '14-JUN-04' , 'S00003' , 'P' , 'Y','22-JULY-02','IN PROCESS')
```

```
INTO SALES_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS)  
VALUES('O19004' , 'C00004' , '15-JUN-04' , 'S00004' , 'F' , 'N','23-JULY-02','IN PROCESS')
```

```
INTO SALES_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS)  
VALUES('O19005' , 'C00005' , '16-JUN-04' , 'S00005' , 'P' , 'Y','24-JULY-02','IN PROCESS')
```

```
INTO SALES_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS)  
VALUES('O19006' , 'C00006' , '17-JUN-04' , 'S00006' , 'F' , 'N','25-JULY-02','IN PROCESS')
```

SELECT * FROM dual;

//DISPLAY TABLE

SELECT * FROM SALES_ORDER;

SALESMANNO	NAME	ADRESS	CITY	PINCODE	STATE	SALAMT	TGTTTOGET	YTDSALES	REMARK
S00001	AMAN	KONI	BILASPUR	495001	CG	3000	100	50	GOOD
S00002	OMKAR	TAKHATPUR	BILASPUR	495330	CG	3000	200	100	GOOD
S00003	RAJ	BIRGAON	RAIPUR	495009	CG	3000	200	100	GOOD
S00004	ASHISH	BHILAI	DURG	495110	CG	3500	200	150	GOOD

// CREATING TABLE--

//2.CREATE TABLE SALES_ORDER_DETAILS--

```
CREATE TABLE SALES_ORDER_DETAILS(ORDERNO VARCHAR(6),PRODUCTNO VARCHAR(6),QTYORDERED  
NUMBER(8),QTYDISP NUMBER(8),PRODUCTRATE NUMBER(10,2),PRIMARY KEY(ORDERNO));
```

//INSERTING DATA IN TABLE--

INSERT ALL

```
INTO SALES_ORDER_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED,QTYDISP,PRODUCTRATE) VALUES('O19001' ,  
'P00001' , 200 ,50 ,10.2)
```

```
INTO SALES_ORDER_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED,QTYDISP,PRODUCTRATE) VALUES('O19002' ,  
'P00002' , 100 ,40 ,6.2)
```

```
INTO SALES_ORDER_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED,QTYDISP,PRODUCTRATE) VALUES('O19003' ,  
'P00003' , 150 ,70 ,4.2)
```

```
INTO SALES_ORDER_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED,QTYDISP,PRODUCTRATE) VALUES('O19004' ,  
'P00004' , 90 ,90 ,7.2)
```

SELECT * FROM dual;

//DISPLAY TABLE

SELECT * FROM SALES_ORDER_DETAILS;

ORDERNO	PRODUCTNO	QTYORDERED	QTYDISP	PRODUCTRATE
O19001	P00001	200	50	10.2
O19002	P00002	100	40	6.2
O19003	P00003	150	70	4.2
O19004	P00004	90	90	7.2

//ASSIGNMENT QUESTION-ANSWERS===

1) LIST THE NAME OF WHOLE CLIENTS HAVING 'A' AS THE 2ND LETTER IN THEIR NAMES--

SELECT * FROM CLIENT_MASTER WHERE NAME LIKE '_N%';

CLIENTNO	NAME	CITY	PINCODE	STATE	BALDUE
C00001	INDRESH	BILASPUR	495330	CG	15000

2) LIST THE CLIENTS INFORMATION TO STAY IN A CITY WHOSE FIRST LETTER IS M

SELECT * FROM CLIENT_MASTER WHERE CITY LIKE 'M%';

CLIENTNO	NAME	CITY	PINCODE	STATE	BALDUE
C00005	KHEMDAS	MUNGELI	495010	CG	2000

3) LIST OLD CLIENTS TO STAY IN RAIPUR OR BILASPUR--

SELECT NAME FROM CLIENT_MASTER WHERE CITY='RAIPUR' OR CITY='BILASPUR';

NAME
INDRESH
SHASHANK
JAY

4) LIST ALL CLIENTS WHOSE BALDUE IS GREATER THAN 10000

SELECT NAME FROM CLIENT_MASTER WHERE BALDUE>10000;

NAME
INDRESH

5) LIST ALL INFORMATION FROM THE SALES_ORDER TABLE FOR ORDERS PLACE IN THE MONTH OF JUNE--

SELECT * FROM SALES_ORDER WHERE ORDERDATE LIKE '%JUN%';

ORDERNO	CLIENTNO	ORDERDATE	SALESMANNO	DELYTYPE	BILLYN	DELYDATE	ORDERSTATUS
O19001	C00001	12-JUN-04	S00001	F	N	20-JUL-02	IN PROCESS
O19002	C00002	13-JUN-04	S00002	F	Y	21-JUL-02	IN PROCESS
O19003	C00003	14-JUN-04	S00003	P	Y	22-JUL-02	IN PROCESS
O19004	C00004	15-JUN-04	S00004	F	N	23-JUL-02	IN PROCESS
O19005	C00005	16-JUN-04	S00005	P	Y	24-JUL-02	IN PROCESS
O19006	C00006	17-JUN-04	S00006	F	N	25-JUL-02	IN PROCESS

6) LIST THE ORDER INFORMATION FOR CLIENTNO C00001 OR C00002

SELECT * FROM SALES_ORDER WHERE CLIENTNO='C00001' OR CLIENTNO='C00002';

ORDERNO	CLIENTNO	ORDERDATE	SALESMANNO	DELYTYPE	BILLYN	DELYDATE	ORDERSTATUS
O19001	C00001	12-JUN-04	S00001	F	N	20-JUL-02	IN PROCESS
O19002	C00002	13-JUN-04	S00002	F	Y	21-JUL-02	IN PROCESS

7) LIST THE PRODUCTS WHOSE SELLING PRICE IS GREATER THAN 500 AND LESS THAN 700

SELECT DESCRIPTION FROM PRODUCT_MASTER WHERE SELLPRICE>500 AND SELLPRICE<750;

DESCRIPTION
COTTON_JEANS
PULL_OVERS

8) LIST PRODUCTS WHOSE SELLING PRICE IS MORE THAN 500 CALCULATE A NEW SELLING PRICE AS ORIGINAL SELLING PRICE *1.5,RENAME THE NEW COLUMN IN OUTPUT OF THE ABOVE QUERY AS NEW_PRICE--

UPDATE PRODUCT_MASTER SET SELLPRICE=SELLPRICE*1.5 WHERE SELLPRICE>500;

SELECT * FROM PRODUCT_MASTER;

PRODUCTNO	DESCRIPTION	PROFITPERCENT	QTYONHAND	REORDERLVL	SELLPRICE	COSTPRICE
P00001	T-SHIRT	5	200	50	350	250
P00002	SHIRT	6	150	50	500	350
P00003	COTTON_JEANS	5	100	20	900	450
P00004	JEANS	5	100	20	1125	500
P00005	TROUSERS	2	150	50	1275	550
P00006	PULL_OVERS	2.5	80	30	1050	450
P00007	DENIM_SHIRTS	4	100	40	350	250
P00008	LYCRA_TOPS	5	70	30	300	175
P00009	SKIRTS	5	75	30	450	300

9) LIST THE NAME, CITY AND STATE OF CLIENTS WHO ARE NOT IN THE STATE OF CG--

SELECT NAME, CITY, STATE FROM CLIENT_MASTER WHERE STATE != 'MP';

NAME	CITY	STATE
INDRESH	BILASPUR	CG
AKSHAY	KORBA	CG
SHASHANK	RAIPUR	CG
KHILESH	DHMTARI	CG
KHEMDAS	MUNGELI	CG
JAY	BILASPUR	CG

10) COUNT THE TOTAL NUMBER OF ORDERS--

SELECT SUM (QTYORDERED) FROM SALES_ORDER_DETAILS;

SUM(QTYORDERED)
540

11) CALCULATE THE AVERAGE PRICE OF ALL THE PRODUCTS--

SELECT AVG(SELLPRICE) FROM PRODUCT_MASTER;

AVG(SELLPRICE)
700

12) DETERMINE THE MAXIMUM AND MINIMUM PRODUCT PRICE RENAME THE OUTPUT TO AS MAXPRICE , MINPRICE--

SELECT MIN (COSTPRICE), MAX (COSTPRICE) FROM PRODUCT_MASTER;

MIN(COSTPRICE)	MAX(COSTPRICE)
175	550

13) COUNT THE NUMBER OF PRODUCTS HAVING PRICE IS LESS THAN EQUAL TO 500

SELECT SUM (QTYONHAND) FROM PRODUCT_MASTER WHERE SELLPRICE IN (SELECT SELLPRICE FROM PRODUCT_MASTER WHERE SELLPRICE<=500);

SUM(QTYONHAND)
595

14) LIST ALL THE PRODUCTS WHOSE QUANTITY ON HAND IS LESS THAN REORDER LEVEL--

SELECT DESCRIPTION FROM PRODUCT_MASTER WHERE QTYONHAND<REORDERLVL;

no data found

15) LIST THE DATE , 15 DAYS AFTER TODAY--

SELECT SYSDATE +15 FROM DUAL;

SYSDATE+15
13-OCT-19

ASSIGNMENT-3

//ASSIGNMENT QUESTION-ANSWERS===

//1.EXERCISE ON USING HAVING AND GROUP BY CLAUSES-

1) PRINT THE DESCRIPTION AND TOTAL QUANTITY SOLD FOR EACH PRODUCT--

SELECT DESCRIPTION, SUM(QTYDISP) FROM PRODUCT_MASTER PM, SALES_ORDER_DETAILS SOD WHERE PM.PRODUCTNO = SOD.PRODUCTNO GROUP BY DESCRIPTION;

DESCRIPTION	SUM(QTYDISP)
COTTON_JEANS	70
SHIRT	40
JEANS	90
T-SHIRT	50

2) FIND THE VALUE OF EACH PRODUCT SOLD--

SELECT SOD.PRODUCTNO, PM.DESCRPTION, SUM(SOD.QTYDISP * SOD.PRODUCTRATE) SALESPERPRODUCT FROM SALES_ORDER_DETAILS SOD, PRODUCT_MASTER PM WHERE PM.PRODUCTNO = SOD.PRODUCTNO GROUP BY SOD.PRODUCTNO, PM.DESCRPTION;

PRODUCTNO	DESCRIPTION	SALESPERPRODUCT
P00002	SHIRT	248
P00004	JEANS	648
P00003	COTTON_JEANS	294
P00001	T-SHIRT	510

3) CALCULATE THE AVERAGE QUANTITY FOR EACH CLIENT THAT HAS A MAXIMUM ORDER VALUE OF 15000.00

**SELECT CM.CLIENTNO, AVG(SOD.QTYDISP) AVGSALES FROM CLIENT_MASTER CM ,SALES_ORDER_DETAILS
SOD WHERE SOD.ORDERNO = CM.CLIENTNO GROUP BY CM.CLIENTNO HAVING MAX(SOD.QTYORDERED *
SOD.PRODUCTRATE) > 2000;**

CLIENTNO	AVGSALES
C00001	62.5
C00002	62.5
C00003	62.5
C00004	62.5
C00005	62.5
C00006	62.5

4) FIND OUT THE TOTAL OF ALL THE BILLED ORDERS FOR THE MONTH OF JUNE--

**SELECT SO.ORDERNO, SO.ORDERDATE, SUM(SOD.QTYORDERED * SOD.PRODUCTRATE) ORDERBILLED FROM
SALES_ORDER SO, SALES_ORDER_DETAILS SOD WHERE SOD.ORDERNO = SO.ORDERNO AND BILLYN = 'Y'
AND TO_CHAR(ORDERDATE,'MON') = 'JUN' GROUP BY SO.ORDERNO, SO.ORDERDATE;**

ORDERNO	ORDERDATE	ORDERBILLED
O19003	14-JUN-04	630
O19002	13-JUN-04	620

//2.EXERCISE ON JOIN AND CORRELATION CLAUSES-BUT HERE CORRELATION IS USED

1) FIND OUT THE PRODUCT , WHICH HAVE BEEN SOLD TO 'INDRESH'--

SELECT SOD.PRODUCTNO, PM.DESCRPTION FROM SALES_ORDER_DETAILS SOD, PRODUCT_MASTER PM, SALES_ORDER SO, CLIENT_MASTER CM WHERE PM.PRODUCTNO = SOD.PRODUCTNO AND SO.ORDERNO = SOD.ORDERNO AND CM.CLIENTNO = SO.CLIENTNO AND CM.NAME = 'INDRESH';

PRODUCTNO	DESCRIPTION
P00001	T-SHIRT

2) FIND OUT THE PRODUCTS AND THEIR QUANTITIES THAT WILL HAVE TO BE DELIVERED IN THE CURRENT MONTH--

SELECT SOD.PRODUCTNO, PM.DESCRPTION , SUM(SOD.QTYORDERED) FROM SALES_ORDER_DETAILS SOD, SALES_ORDER SO, PRODUCT_MASTER PM WHERE PM.PRODUCTNO = SOD.PRODUCTNO AND SO.ORDERNO = SOD.ORDERNO AND TO_CHAR(DELYDATE, 'MON') = 'JUL' GROUP BY SOD.PRODUCTNO, PM.DESCRPTION;

PRODUCTNO	DESCRIPTION	SUM(SOD.QTYORDERED)
P00002	SHIRT	100
P00004	JEANS	90
P00003	COTTON_JEANS	150
P00001	T-SHIRT	200

3) LIST THE PRODUCTNO AND DESCRIPTION OF CONSTANTLY SOLD (i.e. –rapidly moving) PRODUCTS--

SELECT DISTINCT PM.PRODUCTNO, DESCRIPTION FROM SALES_ORDER_DETAILS SOD, PRODUCT_MASTER PM WHERE PM.PRODUCTNO = SOD.PRODUCTNO;

PRODUCTNO	DESCRIPTION
P00002	SHIRT
P00004	JEANS
P00003	COTTON_JEANS
P00001	T-SHIRT

4) FIND THE NAMES OF CLIENTS WHO HAVE PURCHASE 'T-SHIRT'--

SELECT CM.CLIENTNO, CM.NAME FROM SALES_ORDER_DETAILS SOD, SALES_ORDER SO, PRODUCT_MASTER PM, CLIENT_MASTER CM WHERE PM.PRODUCTNO = SOD.PRODUCTNO AND SO.ORDERNO = SOD.ORDERNO AND CM.CLIENTNO = SO.CLIENTNO AND DESCRIPTION = 'T-SHIRT';

CLIENTNO	NAME
C00001	INDRESH

5) LIST THE PRODUCTS AND ORDERS FROM CUSTOMERS WHO HAVE ORDERED LESS THAN 5 UNITS OF 'SHIRT'-

SELECT SOD.PRODUCTNO, PM.DESCRPTION ,SOD.ORDERNO FROM SALES_ORDER_DETAILS SOD, SALES_ORDER SO, PRODUCT_MASTER PM WHERE SO.ORDERNO = SOD.ORDERNO AND PM.PRODUCTNO = SOD.PRODUCTNO AND SOD.QTYORDERED < 101 AND DESCRIPTION ='SHIRT';

PRODUCTNO	DESCRIPTION	ORDERNO
P00002	SHIRT	O19002

6) FIND THE PRODUCTS AND THEIR QUANTITIES FOR ORDERS PLACED BY 'INDRESH' AND 'KHILESH'--

SELECT SOD.PRODUCTNO, PM.DESCRPTION, SUM(QTYORDERED) UNITS_ORDERED FROM SALES_ORDER_DETAILS SOD, SALES_ORDER SO, PRODUCT_MASTER PM, CLIENT_MASTER CM WHERE SO.ORDERNO = SOD.ORDERNO AND PM.PRODUCTNO = SOD.PRODUCTNO AND CM.CLIENTNO = SO.CLIENTNO AND (CM.NAME = 'INDRESH' OR CM.NAME = 'KHILESH') GROUP BY SOD.PRODUCTNO, PM.DESCRPTION;

PRODUCTNO	DESCRIPTION	UNITS_ORDERED
P00004	JEANS	90
P00001	T-SHIRT	200

7) FIND THE PRODUCTS AND THEIR QUANTITIES FOR THE ORDERS PLACED BY CLIENTNO 'C00001' ,'C00002'

SELECT SO.CLIENTNO, SOD.PRODUCTNO, PM.DESCRPTION, SUM(QTYORDERED) UNITS_ORDERED FROM SALES_ORDER SO, SALES_ORDER_DETAILS SOD, PRODUCT_MASTER PM, CLIENT_MASTER CM WHERE SO.ORDERNO = SOD.ORDERNO AND SOD.PRODUCTNO = PM.PRODUCTNO AND SO.CLIENTNO = CM.CLIENTNO GROUP BY SO.CLIENTNO, SOD.PRODUCTNO, PM.DESCRPTION HAVING SO.CLIENTNO = 'C00001' OR SO.CLIENTNO = 'C00002';

CLIENTNO	PRODUCTNO	DESCRIPTION	UNITS_ORDERED
C00001	P00001	T-SHIRT	200
C00002	P00002	SHIRT	100

//3.EXERCISE ON SUBQUERIES --

1) FIND THE PRODUCTNO AND DESCRIPTION OF NON-MOVING PRODUCTS i.e.- PRODUCTS NOT BEING SOLD--

SELECT PRODUCTNO, DESCRIPTION FROM PRODUCT_MASTER WHERE PRODUCTNO NOT IN(SELECT PRODUCTNO FROM SALES_ORDER_DETAILS);

PRODUCTNO	DESCRIPTION
P00005	TROUSERS
P00006	PULL_OVERS
P00007	DENIM_SHIRTS
P00008	LYCRA_TOPS
P00009	SKIRTS

2) LIST THE CUSTOMER NAME, ADRESS, CITY AND PINCODE FOR THE CLIENT WHO HAS PLACED ORDERNO 'O19001'

SELECT NAME, CITY, STATE, PINCODE FROM CLIENT_MASTER WHERE CLIENTNO IN(SELECT CLIENTNO FROM SALES_ORDER WHERE ORDERNO = 'O19001');

NAME	CITY	STATE	PINCODE
INDRESH	BILASPUR	CG	495330

3) LIST THE CLIENT NAMES THAT HAVE PLACED ORDERS BEFORE THE MONTH OF JUL-04

SELECT CLIENTNO, NAME FROM CLIENT_MASTER WHERE CLIENTNO IN(SELECT CLIENTNO FROM SALES_ORDER WHERE TO_CHAR(ORDERDATE, 'MON,YY') > 'JUL,04');

CLIENTNO	NAME
C00001	INDRESH
C00002	AKSHAY
C00003	SHASHANK
C00004	KHILESH
C00005	KHEMDAS
C00006	JAY

4) LIST IF THE PRODUCT 'T-SHIRT' HAS BEEN ORDERD BY ANY CLIENT AND PRINT THE CLIENTNO NAME TO WHOM IT WAS SOLD--

SELECT CLIENTNO, NAME FROM CLIENT_MASTER WHERE CLIENTNO IN(SELECT CLIENTNO FROM SALES_ORDER WHERE ORDERNO IN(SELECT ORDERNO FROM SALES_ORDER_DETAILS WHERE PRODUCTNO IN(SELECT PRODUCTNO FROM PRODUCT_MASTER WHERE DESCRIPTION = 'T-SHIRT')));

CLIENTNO	NAME
C00001	INDRESH

5) LIST THE NAMES OF CLIENTS WHO HAVE PLACED ORDERS WORTH RS 10000 OR MORE--

SELECT NAME FROM CLIENT_MASTER WHERE CLIENTNO IN(SELECT CLIENTNO FROM SALES_ORDER WHERE ORDERNO IN(SELECT ORDERNO FROM SALES_ORDER_DETAILS WHERE (QTYORDERED * PRODUCTRATE) >= 2000));

NAME
INDRESH