

Lab Assignment 6

Program 1: List the employee details along with branch names to which they belong.

Source Code:

```
SELECT * FROM EMP_MSTR INNER JOIN BRANCH_MSTR ON  
EMP_MSTR.BRANCH_NO = BRANCH_MSTR.BRANCH_NO;
```

Output:

Result Grid										
Filter Rows:			Export:		Wrap Cell Content:					
EMP_NO	BRANCH_NO	FNAME	MNAME	LNAME	DEPT	DESIG	MNGR_NO	BRANCH_NO	NAME	
E1	B1	Ivan	Nelson	Bayross	Administration	Managing Director	NULL	B1	Vile Parle (HO)	
E10	B6	Anjali	Sameer	Pathak	Administration	HR Manager	E1	B6	Darya Ganj	
E2	B2	Amit	NULL	Desai	Loans And Financing	Finance Manager	NULL	B2	Andheri	
E3	B3	Maya	Mahima	Joshi	Client Servicing	Sales Manager	NULL	B3	Churchgate	
E4	B1	Peter	Iyer	Joseph	Loans And Financing	Clerk	E2	B1	Vile Parle (HO)	
E5	B4	Mandhar	Dilip	Dalvi	Marketing	Marketing Manager	NULL	B4	Mahim	
E6	B6	Sonal	Abdul	Khan	Administration	Admin. Executive	E1	B6	Darya Ganj	
E7	B4	Anil	Ashutosh	Kambli	Marketing	Sales Asst.	E5	B4	Mahim	
E8	B3	Seema	P.	Apte	Client Servicing	Clerk	E3	B3	Churchgate	
E9	B2	Vikram	Vilas	Randive	Marketing	Sales Asst.	E7	B2	Andheri	

Result 12 ×

Output

Program 2: List the customers along with their multiple address details.

Source Code:

```
SELECT c.cust_no, c.fname, c.mname, c.lname, a.addr_no, a.addr1, a.ADDR2, a.CITY,
a.STATE, a.PINCODE FROM CUST_MSTR as c INNER JOIN ADDR_DTLS as a ON
c.CUST_NO = a.CODE_NO;
```

Output:




Result Grid										
Filter Rows: <input type="text"/>										
Export: <input type="button" value=""/>										
Wrap Cell Content: <input type="button" value=""/>										
	cust_no	fname	mname	lname	addr_no	addr1	ADDR2	CITY	STATE	PINCODE
▶	C1	Ivan	Nelson	Bayross	17	F-12, Diamond Palace, West Avenue,	North Avenue, Santacruz (West),	Mumbai	Maharashtra	400056
	C2	Chriselle	Ivan	Bayross	18	F-12, Silver Stream,	Santacruz (East),	Mumbai	Maharashtra	400056
	C3	Mamta	Arvind	Muzumdar	19	Magesh Prasad,	Saraswati Baug, Jogeshwari(E),	Mumbai	Maharashtra	400060
	C4	Chhaya	Sudhakar	Bankar	20	4, Sampada,	Kataria Road, Mahim,	Mumbai	Maharashtra	400016
	C5	Ashwini	Dilip	Joshi	21	104, Vikram Apts. Bhagat Lane,	Shivaji Park, Mahim,	Mumbai	Maharashtra	400016
	C6	Hansel	I.	Colaco	22	12, Radha Kunj, N.C Kelkar Road,	Dadar,	Mumbai	Maharashtra	400028
	C7	Anil	Arun	Dhone	23	A/14, Shanti Society, Mogal Lane,	Mahim,	Mumbai	Maharashtra	400016
	C8	Alex	Austin	Fernandes	24	5, Vagdevi, Senapati Bapat Rd.,	Dadar,	Mumbai	Maharashtra	400016
	C9	Ashwini	Shankar	Apte	25	A-10 Nutan Vaishali,	Shivaji Park, Mahim,	Mumbai	Maharashtra	400016
	C10	Namita	S.	Kanade	26	B-10, Makarand Society,	Cadal Road, Mahim,	Mumbai	Maharashtra	400016
	O11	NULL	NULL	NULL	34	Shop No. 4, Simon Streams,	V. P. Road, Andheri (West),	Mumbai	Maharashtra	400058
	O12	NULL	NULL	NULL	35	230-E, Patel Chambers,	Service Road, Vile Parle (East),	Mumbai	Maharashtra	400057
	O13	NULL	NULL	NULL	36	G-2, Puru Hsg. Society,	Senapati Bapat Rd., Dadar,	Mumbai	Maharashtra	400016
	O14	NULL	NULL	NULL	37	B-10, Makarand Society,	Cadal Road, Mahim,	Mumbai	Maharashtra	400016
	C6	Hansel	I.	Colaco	45	203/A, Prachi Apmt.,	Andheri (East),	Mumbai	Maharashtra	400058
	O15	NULL	NULL	NULL	46	Shop No. 4, Sai Compound,	Service Road, Vile Parle (East),	Mumbai	Maharashtra	400057
	O15	NULL	NULL	NULL	47	G-4, Sagar Chambers,	G. P. Road, Andheri (West),	Mumbai	Maharashtra	400058

Program 3: List the Customers along with the account details associated with them.

Source code:

```
SELECT A.ACCT_NO,A.BRANCH_NO,A.CURBAL,C.CUST_NO FROM ACCT_MSTR  
AS A INNER JOIN CUST_MSTR AS C ON C.CUST_NO =A.INTRO_CUST_NO;
```

Output:





Result Grid   Filter Rows: <input type="text"/> Export: 				
	ACCT_NO	BRANCH_NO	CURBAL	CUST_NO
▶	CA10	B6	32000.00	C10
	CA12	B2	5000.00	C1
	CA14	B5	10000.00	C4
	CA2	B2	3000.00	C1
	CA4	B5	12000.00	C4
	CA7	B1	22000.00	C8
	SB1	B1	500.00	C1
	SB11	B1	500.00	C1
	SB13	B3	500.00	C4
	SB15	B6	500.00	C1
	SB3	B3	500.00	C4
	SB5	B6	500.00	C1
	SB6	B4	500.00	C5
	SB8	B2	500.00	C9
	SB9	B4	500.00	C10

Program 4: List the employee details of only those employees who belong to the Administration department along branch names.

Source Code:

```
SELECT * FROM EMP_MSTR INNER JOIN BRANCH_MSTR ON  
EMP_MSTR.BRANCH_NO = BRANCH_MSTR.BRANCH_NO WHERE  
EMP_MSTR.DEPT='Administration';
```

Output:

Result Grid   Filter Rows: Export:  Wrap Cell Content: 										
	EMP_NO	BRANCH_NO	FNAME	MNAME	LNAME	DEPT	DESIG	MNGR_NO	BRANCH_NO	NAME
▶	E1	B1	Ivan	Nelson	Bayross	Administration	Managing Director	NULL	B1	Vile Parle (HO)
	E10	B6	Anjali	Sameer	Pathak	Administration	HR Manager	E1	B6	Darya Ganj
	E6	B6	Sonal	Abdul	Khan	Administration	Admin. Executive	E1	B6	Darya Ganj

Program 5: List the employee details along with the contact details (if any) Using Left Outer Join.

Source code:

```
SELECT E.EMP_No,E.FNAME,E.LNAME,E.DEPT,C.CNTC_DATA FROM EMP_MSTR AS  
E LEFT JOIN CNTC_DTLS AS C ON E.BRANCH_NO = C.CODE_NO;
```

Output:

	EMP_No	FNAME	LNAME	DEPT	CNTC_DATA
►	E1	Ivan	Bayross	Administration	admin_vileparle@bom2.vsnl.in
	E1	Ivan	Bayross	Administration	26124533
	E1	Ivan	Bayross	Administration	26124571
	E10	Anjali	Pathak	Administration	admin_matunga@bom2.vsnl.in
	E10	Anjali	Pathak	Administration	24304545
	E2	Amit	Desai	Loans And Financing	admin_andheri@bom2.vsnl.in
	E2	Amit	Desai	Loans And Financing	26790014
	E3	Maya	Joshi	Client Servicing	admin_churchgate@bom2.vsnl.in
	E3	Maya	Joshi	Client Servicing	23457855
	E4	Peter	Joseph	Loans And Financing	admin_vileparle@bom2.vsnl.in
	E4	Peter	Joseph	Loans And Financing	26124533
	E4	Peter	Joseph	Loans And Financing	26124571
	E5	Mandhar	Dalvi	Marketing	admin_sion@bom2.vsnl.in
	E5	Mandhar	Dalvi	Marketing	25545455
	E6	Sonal	Khan	Administration	admin_matunga@bom2.vsnl.in
	E6	Sonal	Khan	Administration	24304545
	E7	Anil	Kambli	Marketing	admin_sion@bom2.vsnl.in
	E7	Anil	Kambli	Marketing	25545455

Program 6: List the employee details along with the contact details (if any) Using right Outer Join

Source Code:

```
SELECT E.EMP_No,E.FNAME,E.LNAME,E.DEPT,C.CNTC_DATA FROM EMP_MSTR AS  
E RIGHT JOIN CNTC_DTLS AS C ON E.BRANCH_NO = C.CODE_NO;
```

Output:

	EMP_No	FNAME	LNAME	DEPT	CNTC_DATA
▶	E1	Ivan	Bayross	Administration	26124571
	E4	Peter	Joseph	Loans And Financing	26124571
	E1	Ivan	Bayross	Administration	26124533
	E4	Peter	Joseph	Loans And Financing	26124533
	E1	Ivan	Bayross	Administration	admin_vileparle@bom2.vsnl.in
	E4	Peter	Joseph	Loans And Financing	admin_vileparle@bom2.vsnl.in
	E2	Amit	Desai	Loans And Financing	26790014
	E9	Vikram	Randive	Marketing	26790014
	E2	Amit	Desai	Loans And Financing	admin_andheri@bom2.vsnl.in
	E9	Vikram	Randive	Marketing	admin_andheri@bom2.vsnl.in
	E3	Maya	Joshi	Client Servicing	23457855
	E8	Seema	Apte	Client Servicing	23457855
	E3	Maya	Joshi	Client Servicing	admin_churchgate@bom2.vs...
	E8	Seema	Apte	Client Servicing	admin_churchgate@bom2.vs...
	E5	Mandhar	Dalvi	Marketing	25545455
	E7	Anil	Kambli	Marketing	25545455
	E5	Mandhar	Dalvi	Marketing	admin_sion@bom2.vsnl.in
	E7	Anil	Kambli	Marketing	admin_sion@bom2.vsnl.in
	NULL	NULL	NULL	NULL	26124571

Program 8 Retrieve the names of the employees and the names of their respective managers from the employee table

Source Code:

```
SELECT E.FNAME AS employee_name,  
M.emp_no AS MNGR_NO, M.MNAME AS manager  
FROM EMP_MSTR AS E  
JOIN EMP_MSTR AS M ON E.MNGR_NO = M.emp_no;
```

Output:

	employee_name	MNGR_NO	manager
►	Anjali	E1	Nelson
	Peter	E2	NULL
	Sonal	E1	Nelson
	Anil	E5	Dilip
	Seema	E3	Mahima
	Vikram	E7	Ashutosh

Program 9 Retrieve the names of the employees and the names of their respective managers from the employee table

Source Code:

```
SELECT client_master.NAME,PRODUCT_MASTER.DESCRPTION
,SALES_ORDER_DETAILS.PRODUCTRATE

FROM client_master

JOIN sales_order ON client_master.ClientNo = sales_order.ClientNo

JOIN SALES_ORDER_DETAILS ON sales_order.orderno =
SALES_ORDER_DETAILS.orderno

JOIN PRODUCT_MASTER ON SALES_ORDER_DETAILS.PRODUCTNO
=PRODUCT_MASTER.PRODUCTNO

WHERE client_master.NAME = "IVAN BAYROSS";
```

Output:

Result Grid				Filter Rows:		Export:	Wrap Cell Content:
	NAME	DESCRIPTION	PRODUCTRATE				
▶	IVAN BAYROSS	TSHIRTS	525.00	525.00			
	IVAN BAYROSS	DENIM SHIRTS	8400.00				
	IVAN BAYROSS	PULL OVERS	5250.00				
	IVAN BAYROSS	NIKE TOPS	1050.00				
	IVAN BAYROSS	COTTON JEANS	12000.00				

Program 10 Find out the products and their quantities that will have to be delivered in the current month.

Source Code:

```
SELECT PRODUCT_MASTER.DESCRPTION
,SALES_ORDER_DETAILS.QTYORDERED

FROM sales_order

JOIN SALES_ORDER_DETAILS ON sales_order.orderno =
SALES_ORDER_DETAILS.orderno

JOIN PRODUCT_MASTER ON SALES_ORDER_DETAILS.PRODUCTNO
=PRODUCT_MASTER.PRODUCTNO

WHERE MONTH(sales_order.orderdate) = MONTH(CURRENT_DATE);
```

Output:

Result Grid		 Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	DESCRIPTION	QTYORDERED		

Program 11 List the ProductNo and description of constantly sold (i.e. rapidly moving) products.

Source Code:

```
SELECT PRODUCT_MASTER.DESCRPTION,PRODUCT_MASTER.PRODUCTNO  
FROM PRODUCT_MASTER  
WHERE REORDERLVL = (SELECT MAX(REORDERLVL) FROM PRODUCT_MASTER);
```

Output:




Result Grid			Filter Rows:
	DESCRIPTION	PRODUCTNO	
▶	NIKE TOPS	P03453	
	LYCRA TOPS	P07975	
	LYCRA TOPS	P0975	
✱	NULL	NULL	

Program 12 List the products and orders from customers who have ordered less than 5 units of Pull Overs.

Source Code:

```
SELECT
SALES_ORDER_DETAILS.orderno,SALES_ORDER_DETAILS.PRODUCTNO,SALES_OR
DER_DETAILS.QTYORDERED, PRODUCT_MASTER.DESCRPTION
FROM SALES_ORDER_DETAILS
JOIN sales_order ON SALES_ORDER_DETAILS.orderno = sales_order.orderno
JOIN PRODUCT_MASTER ON SALES_ORDER_DETAILS.PRODUCTNO
=PRODUCT_MASTER.PRODUCTNO
WHERE PRODUCT_MASTER.DESCRPTION = 'Pull Overs'
AND SALES_ORDER_DETAILS.QTYORDERED < 5;
```

Output:

Result Grid			Filter Rows: <input type="text"/>	Export: 
	orderno	PRODUCTNO	QTYORDERED	DESCRIPTION
▶	O19001	P07885	2	PULL OVERS
	O46865	P07885	3	PULL OVERS

Program 13 Find the products and their quantities for the orders placed by Ivan Bayross' and 'Mamta Muzumdar.

Source Code:

```
SELECT client_master.NAME,PRODUCT_MASTER.DESRIPTION  
,SALES_ORDER_DETAILS.QTYORDERED
```

```
FROM client_master
```




```
JOIN sales_order ON client_master.ClientNo = sales_order.ClientNo
```

```
JOIN SALES_ORDER_DETAILS ON sales_order.orderno =  
SALES_ORDER_DETAILS.orderno
```

```
JOIN PRODUCT_MASTER ON SALES_ORDER_DETAILS.PRODUCTNO  
=PRODUCT_MASTER.PRODUCTNO
```

```
WHERE client_master.NAME IN ("MAMTA MUZUMDAR","IVAN BAYROSS") ;
```

Output:

Result Grid			
Filter Rows: <input type="text"/>			
Export:   			
	NAME	DESCRIPTION	QTYORDERED
▶	IVAN BAYROSS	TSHIRTS	4
	IVAN BAYROSS	DENIM SHIRTS	2
	IVAN BAYROSS	PULL OVERS	2
	IVAN BAYROSS	NIKE TOPS	2
	IVAN BAYROSS	COTTON JEANS	1
	MAMTA MUZUMDAR	TSHIRTS	10

Program 14 Find the products and their quantities for the orders placed by ClientNo 'C00001' and 'C00002'.

Source Code:

```
SELECT client_master.CLIENTNO,PRODUCT_MASTER.DESCRPTION
,SALES_ORDER_DETAILS.QTYORDERED

FROM client_master



JOIN sales_order ON client_master.ClientNo = sales_order.ClientNo

JOIN SALES_ORDER_DETAILS ON sales_order.orderno =
SALES_ORDER_DETAILS.orderno

JOIN PRODUCT_MASTER ON SALES_ORDER_DETAILS.PRODUCTNO
=PRODUCT_MASTER.PRODUCTNO

WHERE client_master.CLIENTNO IN ('C00001' , 'C00002');
```

Output:

Result Grid   Filter Rows: <input type="text"/>			
	CLIENTNO	DESCRIPTION	QTYORDERED
▶	C00001	TSHIRTS	4
	C00001	DENIM SHIRTS	2
	C00001	PULL OVERS	2
	C00001	NIKE TOPS	2
	C00001	COTTON JEANS	1
	C00002	TSHIRTS	10