DATABASE LAB TASK

LAB TASK 10

Group Members

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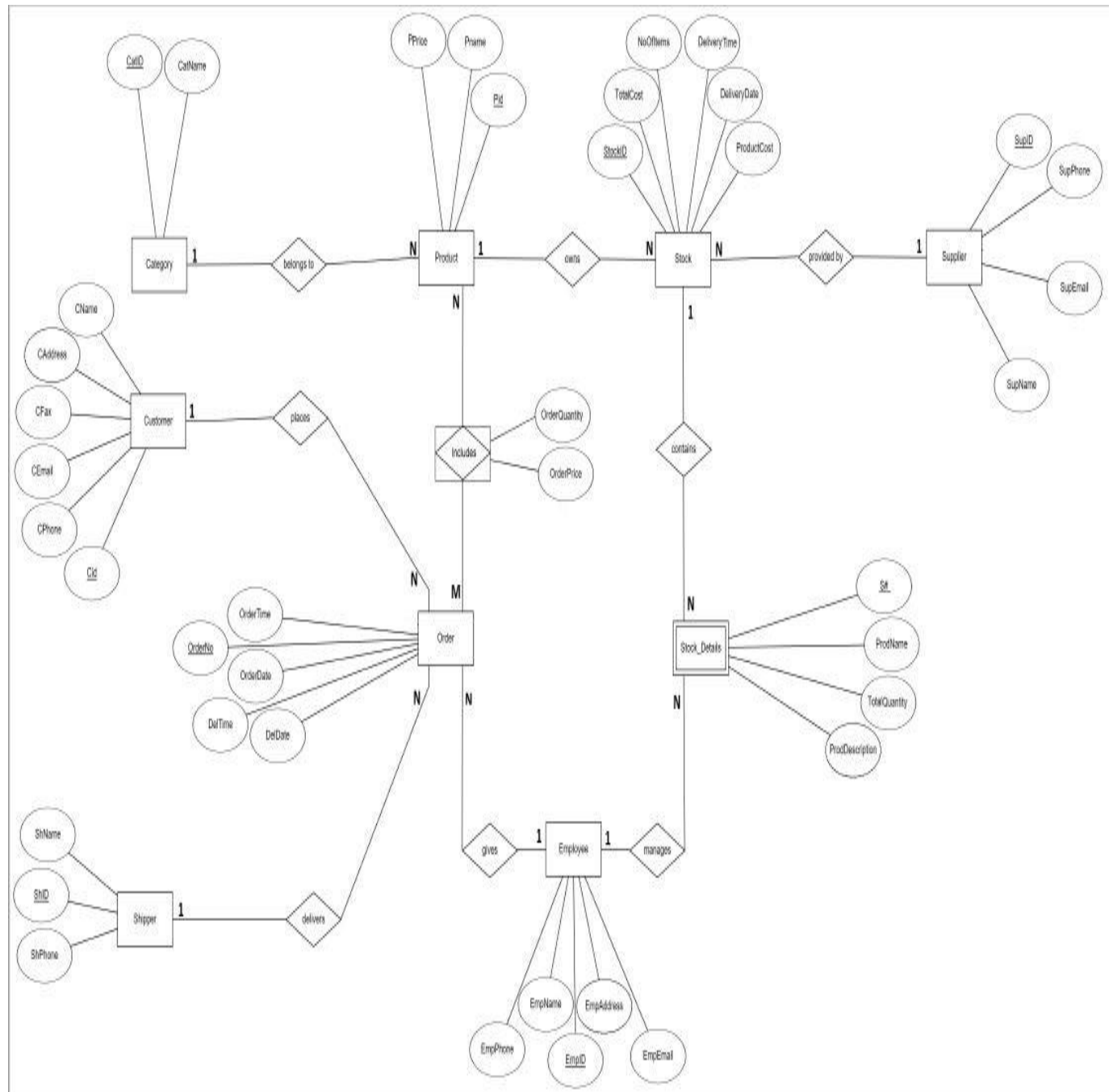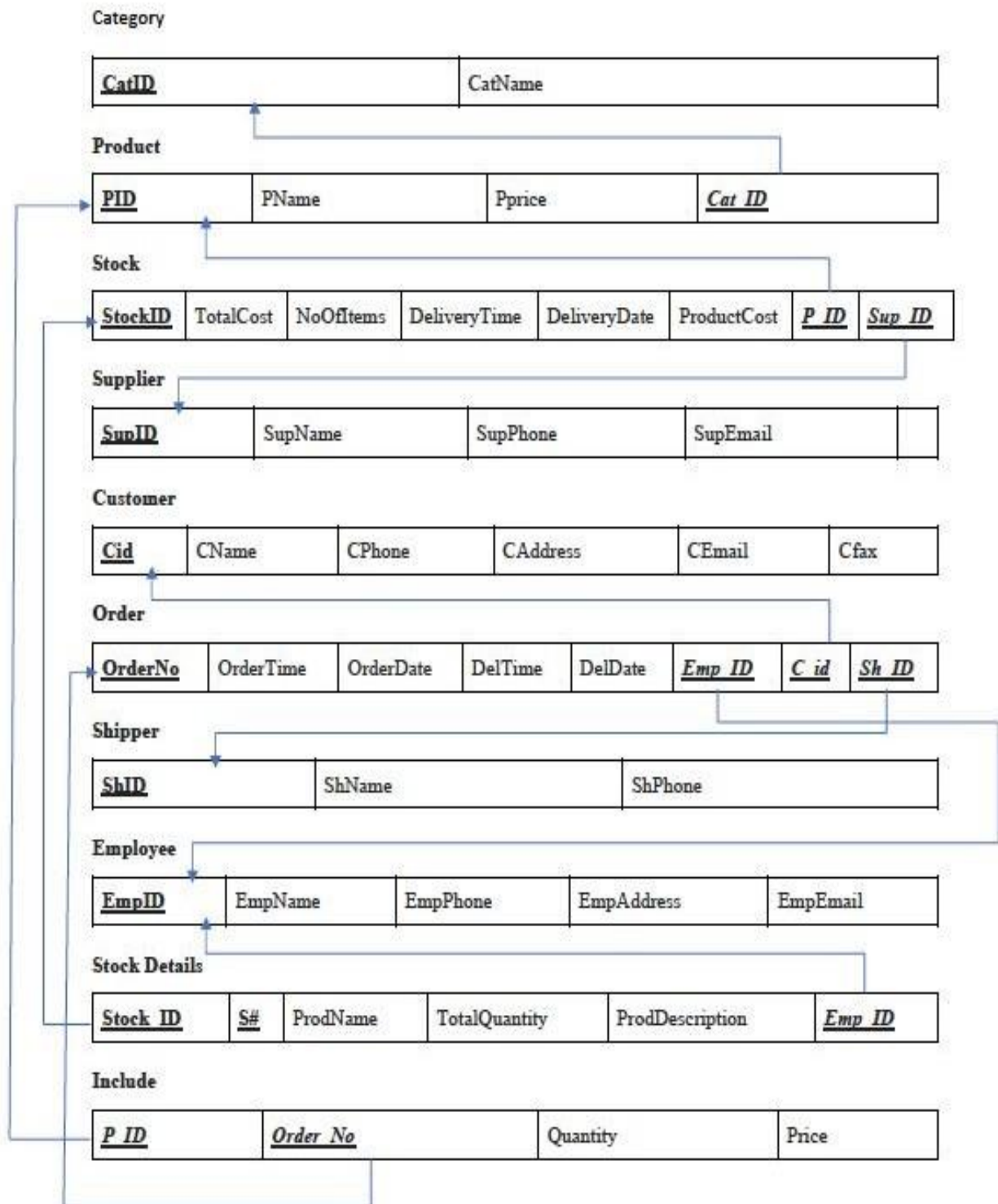**Muhammad Ahmed**   **16I-0195**

Section: F
Submitted to: Ayesha Kamran

ER-Model (LAB 09)

Schema Diagram

Category

CatID		CatName

Product

PID	PName	Pprice	Cat ID

Stock

StockID	TotalCost	NoOfItems	DeliveryTime	DeliveryDate	ProductCost	P ID	Sup ID

Supplier

SupID	SupName	SupPhone	SupEmail	

Customer

Cid	CName	CPhone	CAddress	CEmail	Cfax

Order

OrderNo	OrderTime	OrderDate	DelTime	DelDate	Emp ID	C id	Sh ID

Shipper

ShID		ShName		ShPhone	

Employee

EmpID	EmpName	EmpPhone	EmpAddress	EmpEmail

Stock Details

Stock ID	S#	ProdName	TotalQuantity	ProdDescription	Emp ID

Include

P ID		Order No		Quantity	Price

Datasets

Category

CatID	CatName
1	Beverages
2	Meat
3	Bread
4	Dry
5	Dairy

Product

Pid	PName	Pprice	Cat_ID
38BC27	Coffee	$30	1
38BT28	Tea	$20	1
38MP29	Poultry	$250	2
38BD30	Donuts	$50	3
38DC31	Cereals	$300	4
38DM32	Mixes	$150	4
38DB33	Butter	$170	5

Stock

StockID	TotalCost	NoOfItems	Delivery Time	DeliveryDate	Product Cost	P_ID	Sup_ID
10	$150,000	5000	8:00 AM	2020-03-22	$30	38BC27	7521
20	$40,000	2000	8:30 AM	2020-03-25	$20	38BT28	7521
30	$90,000	3000	8:00 AM	2019-05-19	$30	38MP29	7369
40	$1500,000	5000	3:00 PM	2019-07-18	$300	38DC31	7934
50	$340,000	2000	5:00 PM	2020-01-20	$170	38DB33	7935
60	$50,000	1000	5:00 PM	2020-07-21	$50	38BD30	7900
70	$75,00	50	3:00PM	2020-08-22	$150	38DM32	7934

Supplier

SupID	SupName	SupPhone	SupEmail
7369	K&N's	+92414445555	K&N'S.pk12@gmail.com
7521	Nescafe	+92515559999	NesCafebasement02@gmail.com
7900	Puratos Grp	+92315557177	Puratusgrp.org@yahoo.com
7934	At-Tahur	+923277788888	AtTahur123@hotmail.com
7935	Haleeb Food's Ltd	+923377055592	Haleebfoods97@gmail.com

Customer

Cid	CName	CPhoneNo	CEmail	CAddress	CFax
1	Sajid Shah	03359574203	sajidshah960@gmail.com	H-715D,S#7,Lalazar,Rwp	033592-2231
2	M Ahmed	03389822132	m_ahmed@gmail.com	H-157E,S#13,BahriaTown,Isl	033898-0002
3	Ayesha Khan	03009181381	ayesha_khan@gmail.com	H-817A,S#19, Askari-14,Rwp	0300918-3333
4	Maryam Khalid	03340802788	maryam_khalid@gmail.com	H-118Y,S# 19, DHA,Isl	0334080-7772

Order

OrderNo	Order Time	Order Date	Del Time	DelDate	C_id	Emp_ID	Sh_ID
2237	2:00 PM	2020-03-18	7:00 PM	2020-03-23	1	7510	7002
2238	1:00 PM	2020-03-20	3:00 PM	2020-03-27	2	7511	7003
2241	8:30 PM	2019-05-15	5:00 PM	2019-05-20	3	7512	7211
2247	7:00 AM	2020-07-11	7:00 PM	2019-07-19	1	7560	7009
2282	5:00 PM	2020-01-18	5:00 PM	2020-01-21	4	7512	7100
2297	2:30 PM	2020-07-17	2:00 PM	2020-07-23	5	7590	7200

Shipper

ShID	ShName	ShPhone
7002	Kashif	03390807722
7003	Rehan	03350402780
7009	Usama	03390127860
7100	Ali	03359524203
7200	Hanan	03390802110
7211	Hamza	03009001208

Employee

EmpID	EmpName	EmpPhone	EmpEmail	EmpAddress
7510	Adnan	0339071200	adnanmalik@gmail.com	H12 Street#2 GulshanAbaad Rwp
7511	Noor	0338091227	noorkhan@yahoo.com	H17 Street#3 RajaBaja Rwp
7512	Danial	0338797600	danial123@gmail.com	H18 Street#11 Saddar Rwp
7550	Ammar	0335921002	ammarxyz@gmail.com	H20 Street#17 Pwd Isl
7590	Usama	0222224421	usamaraja@gmail.com	H18 Street#4 SchemeII Rwp

Stock Details

Stock_ID	S#	ProdName	TotalQuantity	ProdDescription	Emp_ID
10	C401	Coffee	15,000	Black Coffee Packets	7511
20	T412	Tea	20,000	Tea Bags Small	7511
30	P423	Poultry	50,000	Chicken Boneless Pack	7550
40	C434	Cereals	10,000	Cereal pack	7590
50	B445	Butter	5000	Small pack butter	7511
60	D456	Donuts	800	Donuts Fresh	7512
70	M154	Mixes	100	Daa	7510

Include

ProdID	Order_No	OrderQuantity	OrderPrice
38BC27	2237	50	$7500
38BC27	2238	40	$800
38DM32	2241	40	$10,000
38DB33	2237	30	$1,500
38DB33	2238	10	$1,500
38BT28	2238	10	$3,000
38BT28	2241	35	$5,950
38BT28	2282	5	$100
38BT28	2297	15	$450
38MP29	2297	20	$6000
38MP29	2247	20	$1000
38BD30	2241	7	$2100
38BD30	2241	75	$2500
38DC31	2238	75	$3000

DDL script for Tables (Create & Drop)

Creating Tables

```
CREATE TABLE CATEGORY
(
CatID        NUMBER        NOT  NULL,
CatName   VARCHAR2(255)  NOT   NULL,
PRIMARY KEY(CatID)
 );
```

```
CREATE TABLE PRODUCT
(
       Cat_ID          NUMBER        NOT NULL,
       PID             VARCHAR2(25)   NOT NULL,
       PName           VARCHAR2(255)  NOT NULL,
       Pprice          VARCHAR2(255) ,
       PRIMARY KEY(PID),
       FOREIGN KEY(Cat_ID) REFERENCES CATEGORY(CatID)
 );
```

```
CREATE TABLE SUPPLIER
(
       SupID           NUMBER          NOT  NULL,
       SupName         VARCHAR2(255)  NOT  NULL,
       SupPhone        VARCHAR2(12) ,
       SupEmail        VARCHAR2(255),
       PRIMARY KEY(SupID)
 );
```

```sql
CREATE TABLE STOCK
(
        StockID              NUMBER            NOT NULL,
        TotalCost            VARCHAR2(50),
        NoOfItems            NUMBER        ,
        DileveryTime         VARCHAR2(25)     NOT NULL,
        DeliveryDate         DATE NOT NULL,
        ProductCost          VARCHAR2(255),
        P_ID                 VARCHAR2(25)     NOT NULL,
        Sup_ID               NUMBER           NOT NULL,
        PRIMARY KEY(StockID),
        FOREIGN KEY(P_ID) REFERENCES PRODUCT(PID),
        FOREIGN KEY(Sup_ID) REFERENCES SUPPLIER(SupID)
);


CREATE TABLE CUSTOMER
(
        Cid                  NUMBER           NOT NULL,
        CName                VARCHAR2(255)    NOT NULL,
        CPhone               VARCHAR2(12),
        CAddress             VARCHAR2(255) ,
        CEmail               VARCHAR2(255) ,
        Cfax                 VARCHAR2(11),
        PRIMARY KEY(Cid)
);


CREATE TABLE SHIPPER
(
        ShID                 NUMBER           NOT NULL,
        ShName               VARCHAR2(255)  NOT NULL,
        ShPhone              VARCHAR2(12),
        PRIMARY KEY(ShID)
);
```

```sql
CREATE TABLE EMPLOYEE
(
        EmpID             NUMBER          NOT NULL,
        EmpName          VARCHAR2(255)  NOT  NULL,
        EmpPhone         VARCHAR2(12),
        EmpAddress       VARCHAR2(255) ,
        EmpEmail         VARCHAR2(255) ,
        PRIMARY KEY(EmpID)
);
```

```sql
CREATE TABLE ORDERS
(
        OrderNo          NUMBER          NOT NULL,
        OrderTime        VARCHAR2(25)    NOT NULL,
        OrderDate        DATE            NOT NULL,
        DelTime          VARCHAR2(25),
        DelDate          DATE ,
        Sh_ID            NUMBER          NOT NULL,
        C_id             NUMBER          NOT NULL,
        Emp_ID           NUMBER           NOT NULL,
        PRIMARY KEY(OrderNo),
        FOREIGN KEY(Sh_ID) REFERENCES SHIPPER(ShID),
        FOREIGN KEY(C_id) REFERENCES CUSTOMER(Cid),
        FOREIGN KEY(Emp_ID) REFERENCES EMPLOYEE(EmpID)
);
```

```
CREATE TABLE STOCK_DETAILS
(
     S#                    VARCHAR2(25)   NOT NULL,
     ProdName              VARCHAR2(255)  NOT NULL,
     TotalQuantity         NUMBER,
     ProdDescription       VARCHAR2(255),
     Emp_ID                NUMBER         NOT NULL,
     Stock_ID              NUMBER         NOT NULL,
     PRIMARY KEY(Stock_ID ,S#),
     FOREIGN KEY(Stock_ID) REFERENCES STOCK(StockID),
     FOREIGN KEY(Emp_ID) REFERENCES EMPLOYEE(EmpID)
);
```

```
CREATE TABLE INCLUDE
(
     P_ID              VARCHAR2(25)    NOT NULL,
     Order_No          NUMBER          NOT NULL,
     OrderQuantity     NUMBER ,
     Price             VARCHAR2(255) ,
     PRIMARY KEY(P_ID,Order_No),
     FOREIGN KEY(Order_No) REFERENCES ORDERS(OrderNo),
     FOREIGN KEY(P_ID) REFERENCES PRODUCT(PID)
);
```

Dropping Relations

```
DROP TABLE Category;
DROP TABLE Product;
DROP TABLE Stock;
DROP TABLE Supplier;
DROP TABLE Customer;
DROP TABLE Order;
DROP TABLE Shipper;
DROP TABLE Employee;
DROP TABLE Stock Details;
DROP TABLE Include;
```

SQL Script (Data Insertion)

Category

INSERT into CATEGORY(CatID , CatName) VALUES (1,'Beverages');
INSERT into CATEGORY (CatID , CatName) VALUES (2,'Meat');
INSERT into CATEGORY (CatID , CatName) VALUES (3,'Bread');
INSERT into CATEGORY (CatID , CatName) VALUES (4,'Dry');
INSERT into CATEGORY (CatID , CatName) VALUES (5,'Dairy');

Product

INSERT into PRODUCT (Cat_ID ,PID ,PName ,Pprice) VALUES (1,'38BC27','Coffee','$30 ');
INSERT into PRODUCT (Cat_ID ,PID ,PName ,Pprice) VALUES (1,'38BT28', 'Tea' ,'$20');
INSERT into PRODUCT (Cat_ID ,PID ,PName ,Pprice) VALUES (2,'38MP29','Poultry', '$250');
INSERT into PRODUCT (Cat_ID ,PID ,PName ,Pprice) VALUES (3,'38BD30','Donuts','$50');
INSERT into PRODUCT (Cat_ID ,PID ,PName ,Pprice) VALUES (4,'38DC31','Cereals' , '$300');
INSERT into PRODUCT (Cat_ID ,PID ,PName ,Pprice) VALUES (4,'38DM32', 'Mixes' ,' $150');
INSERT into PRODUCT (Cat_ID ,PID ,PName ,Pprice) VALUES (5,'38DB33', 'Butter' , '$170');

Supplier

INSERT into SUPPLIER (SupID ,SupName ,SupPhone, SupEmail) VALUES (7369,'K'||'&'||'Ns', '+92414445555' ,'K'||'&'||'Ns.pk12@gmail.com');
INSERT into SUPPLIER (SupID ,SupName ,SupPhone, SupEmail) VALUES (7521,'Nescafe', '+92515559999' ,'NesCafebasement02@gmail.com ');
INSERT into SUPPLIER (SupID ,SupName ,SupPhone, SupEmail) VALUES (7900,'Puratos Grp', '+92315557177' ,' Puratusgrp.org@yahoo.com');
INSERT into SUPPLIER (SupID ,SupName ,SupPhone, SupEmail) VALUES (7934,'At-Tahur', '+92327788888' ,'AtTahur123@hotmail.com');
INSERT into SUPPLIER (SupID ,SupName ,SupPhone, SupEmail) VALUES (7935,'Haleeb Foods Ltd ', '+92337705592' ,'Haleebfoods97@gmail.com');

Stock

INSERT into STOCK (StockID ,TotalCost ,NoOfItems ,DileveryTime ,DeliveryDate ,ProductCost ,P_ID ,Sup_ID) VALUES (10,'$150,000', 5000 ,'8:00 AM' , TO_DATE('2020-03-22', 'YYYY-MM-DD') , '$30' , '38BC27', 7521);
INSERT into STOCK (StockID ,TotalCost ,NoOfItems ,DileveryTime ,DeliveryDate ,ProductCost ,P_ID ,Sup_ID) VALUES (20,'$40,000', 2000 ,'8:30 AM' , TO_DATE('2020-03-25','YYYY-MM-DD') , '$20' , '38BT28', 7521);
INSERT into STOCK (StockID ,TotalCost ,NoOfItems ,DileveryTime ,DeliveryDate ,ProductCost ,P_ID ,Sup_ID) VALUES (30,'$90,000', 3000 ,'8:00 AM' , TO_DATE('2019-05-19','YYYY-MM-DD') , '$30' , '38MP29', 7369);
INSERT into STOCK (StockID ,TotalCost ,NoOfItems ,DileveryTime ,DeliveryDate ,ProductCost ,P_ID ,Sup_ID) VALUES (40,'$1500,000', 5000 ,' 3:00 PM' , TO_DATE('2019-07-18' , 'YYYY-MM-DD') , '$300' , '38DC31', 7934);
INSERT into STOCK (StockID ,TotalCost ,NoOfItems ,DileveryTime ,DeliveryDate ,ProductCost ,P_ID ,Sup_ID) VALUES (50,'$340,000', 2000 ,'5:00 PM' , TO_DATE('2020-01-20', 'YYYY-MM-DD')   , '$170' , '38DB33', 7934);
INSERT into STOCK (StockID ,TotalCost ,NoOfItems ,DileveryTime ,DeliveryDate ,ProductCost ,P_ID ,Sup_ID) VALUES (60,'$50,000', 1000 ,'5:00 PM' , TO_DATE('2020-07-21', 'YYYY-MM-DD')
, '$50' , '38BD30', 7900);
INSERT into STOCK (StockID ,TotalCost ,NoOfItems ,DileveryTime ,DeliveryDate ,ProductCost , P_ID ,Sup_ID) VALUES (70,'$75,00', 50 ,'3:00PM' , TO_DATE('2020-08-22' , 'YYYY-MM-DD') , '$150' , '38DM32', 7934);

Shipper

INSERT into SHIPPER (ShID, ShName, ShPhone) VALUES (7002,'Kashif', '03390807722');
INSERT into SHIPPER (ShID, ShName, ShPhone) VALUES (7003,'Rehan', '03350402780');
INSERT into SHIPPER (ShID, ShName, ShPhone) VALUES (7009,'Usama', '03390127860');
INSERT into SHIPPER (ShID, ShName, ShPhone) VALUES (7100,'Ali', '03359524203');
INSERT into SHIPPER (ShID, ShName, ShPhone) VALUES (7200,'Hanan', '03390802110');
INSERT into SHIPPER (ShID, ShName, ShPhone) VALUES (7211,'Hamza', '03009001208');

Customer

- INSERT into CUSTOMER (Cid, CName ,CPhone ,CAddress ,CEmail ,Cfax) VALUES (1,'Sajid Shah', '03359574203' ,'H-715D,S#7,Lalazar,Rwp' ,'sajidshah960@gmail.com' ,'033592-2231');
- INSERT into CUSTOMER (Cid, CName ,CPhone ,CAddress ,CEmail ,Cfax) VALUES (2,'M Ahmed', '03389822132' ,'H-157E,S#13,BahriaTown,Isl' ,'m_ahmed@gmail.com','033898-0002');
- INSERT into CUSTOMER (Cid, CName ,CPhone ,CAddress ,CEmail ,Cfax) VALUES (3,'Ayesha Khan', '03009181381' ,'H-817A,S#19,Askari-14,Rwp' ,'ayesha_khan@gmail.com','030091-3333');
- INSERT into CUSTOMER (Cid, CName ,CPhone ,CAddress ,CEmail ,Cfax) VALUES (4,'Maryam Khalid', '03340802788' ,'H-118Y,S#19,DHA,Isl' ,'maryam_khalid@gmail.com','033408-7772');

Employee

INSERT into EMPLOYEE (EmpID ,EmpName ,EmpPhone ,EmpAddress, EmpEmail) VALUES (7510,'Adnan', '0339071200' ,'H12,Street#2,GulshanAbaad,Rwp' ,'adnanmalik@gmail.com');
INSERT into EMPLOYEE (EmpID ,EmpName ,EmpPhone ,EmpAddress, EmpEmail) VALUES (7511,'Noor', '0338091227' ,'H17,Street#3,RajaBajar,Rwp' ,'noorkhan@yahoo.com');
INSERT into EMPLOYEE (EmpID ,EmpName ,EmpPhone ,EmpAddress, EmpEmail) VALUES (7512,' Noor ', '0338797600' ,'H18,Street#11,Saddar,Rwp' ,'danial123@gmail.com');
INSERT into EMPLOYEE (EmpID ,EmpName ,EmpPhone ,EmpAddress, EmpEmail) VALUES (7550,'Noor', '0335921002' ,'H20,Street#17,Pwd,Isl' ,'ammarxyz@gmail.com');
INSERT into EMPLOYEE (EmpID ,EmpName ,EmpPhone ,EmpAddress, EmpEmail) VALUES (7590,'Noor', '0222224421' ,'H18,Street#4,SchemeIII,Rwp' ,'usamaraja@gmail.com');

Order

INSERT into ORDERS(OrderNo, OrderTime ,OrderDate ,DelTime ,DelDate, Sh_ID, C_id, Emp_ID) VALUES (2237, '2:00 PM' , TO_DATE('2020-03-18', 'YYYY-MM-DD') , '7:00 PM', TO_DATE('2020-03-23', 'YYYY-MM-DD')   , 7002, 1 , 7510);
INSERT into ORDERS(OrderNo ,OrderTime ,OrderDate ,DelTime ,DelDate, Sh_ID, C_id, Emp_ID) VALUES (2238,'1:00 PM' , TO_DATE('2020-03-20','YYYY-MM-DD') ,'3:00 PM ', TO_DATE('2020-03-27','YYYY-MM-DD'), 7003, 2 , 7511);
INSERT into ORDERS(OrderNo ,OrderTime ,OrderDate ,DelTime ,DelDate, Sh_ID, C_id, Emp_ID) VALUES (2241,'8:30 PM',   TO_DATE('2019-05-15','YYYY-MM-DD')   ,'5:00 PM ',   TO_DATE('2019-05-20','YYYY-MM-DD'), 7211,3 , 7512);
INSERT into ORDERS(OrderNo ,OrderTime ,OrderDate ,DelTime ,DelDate, Sh_ID, C_id, Emp_ID) VALUES (2247,'7:00 AM', TO_DATE('2020-07-11', 'YYYY-MM-DD') ,'7:00 PM ', TO_DATE('2019-07-19','YYYY-MM-DD'), 7009, 1 , 7550);
INSERT into ORDERS(OrderNo ,OrderTime ,OrderDate ,DelTime ,DelDate, Sh_ID, C_id, Emp_ID) VALUES (2282,'5:00 PM', TO_DATE('2020-01-18', 'YYYY-MM-DD') ,'5:00 PM ',   TO_DATE('2020-01-21','YYYY-MM-DD'), 7100,4 , 7512);
INSERT into ORDERS(OrderNo, OrderTime ,OrderDate ,DelTime ,DelDate, Sh_ID, C_id, Emp_ID) VALUES (2297,'2:30 PM', TO_DATE('2020-07-17', 'YYYY-MM-DD') ,'2:00 PM ',   TO_DATE('2020-07-23','YYYY-MM-DD'), 7200,5 , 7590);

Stock Details

INSERT into STOCK_DETAILS (S# ,ProdName ,TotalQuantity ,ProdDescription ,Emp_ID, Stock_ID) VALUES ('C401', 'Coffee', 15000 ,'Black Coffee Packets ', 7511 , 10);
INSERT into STOCK_DETAILS (S# ,ProdName ,TotalQuantity ,ProdDescription ,Emp_ID, Stock_ID) VALUES ('T412', 'Tea', 20000 ,' Tea Bags Small ', 7511 , 20);
INSERT into STOCK_DETAILS (S# ,ProdName ,TotalQuantity ,ProdDescription , Emp_ID, Stock_ID)VALUES ('P423', 'Poultry', 50000 ,' Chicken Boneless Pack ', 7550, 30);
INSERT into STOCK_DETAILS (S# ,ProdName ,TotalQuantity ,ProdDescription , Emp_ID, Stock_ID) VALUES ('C434', 'Cereals', 10000 ,' Cereal pack ', 7590 , 40);
INSERT into STOCK_DETAILS (S# ,ProdName ,TotalQuantity ,ProdDescription , Emp_ID, Stock_ID) VALUES ('B445', 'Butter', 5000 ,' Small pack butter ', 7511 , 50);
INSERT into STOCK_DETAILS (S# ,ProdName ,TotalQuantity ,ProdDescription , Emp_ID, Stock_ID) VALUES ('D456', 'Donuts', 800 ,' Donuts Fresh ', 7512 , 60);
INSERT into STOCK_DETAILS (S# ,ProdName ,TotalQuantity ,ProdDescription , Emp_ID, Stock_ID) VALUES ('M154', 'Mixes', 100 ,' Daa ', 7510 , 70);

Include

INSERT into INCLUDE (P_ID, Order_No, OrderQuantity, Price) VALUES ('38BC27',2237,50,
 ' $1500');
INSERT into INCLUDE (P_ID, Order_No, OrderQuantity, Price) VALUES ('38BC27', 2238 ,40 , '$800');
INSERT into INCLUDE (P_ID, Order_No, OrderQuantity, Price) VALUES ('38DM32', 2241 ,40 , '$10000');
INSERT into INCLUDE (P_ID, Order_No, OrderQuantity, Price) VALUES ('38DB33', 2237 ,30 , '$1500');
INSERT into INCLUDE (P_ID, Order_No, OrderQuantity, Price) VALUES ('38DB33', 2238 , 10, '$1500');
INSERT into INCLUDE (P_ID, Order_No, OrderQuantity, Price) VALUES ('38BT28', 2238 ,10 , '$3000');
INSERT into INCLUDE (P_ID, Order_No, OrderQuantity, Price) VALUES ('38BT28', 2241 ,35 , '$5950');
INSERT into INCLUDE (P_ID, Order_No, OrderQuantity, Price) VALUES ('38BT28', 2282 ,5, '$100');
INSERT into INCLUDE (P_ID, Order_No, OrderQuantity, Price) VALUES ('38BT28', 2297 ,15 , '$450');
INSERT into INCLUDE (P_ID, Order_No, OrderQuantity, Price) VALUES ('38MP29', 2297 ,20 , '$6000');
INSERT into INCLUDE (P_ID, Order_No, OrderQuantity, Price) VALUES ('38MP29', 2282 ,20 , '$1000');
INSERT into INCLUDE (P_ID, Order_No, OrderQuantity, Price) VALUES ('38BD30', 2241 ,7 , '$21000');
INSERT into INCLUDE INCLUDE (P_ID, Order_No, OrderQuantity, Price) VALUES ('38BD30', 2247 ,75 , '$25000');
INSERT into INCLUDE (P_ID, Order_No, OrderQuantity, Price) VALUES ('38DC31', 2238 ,75 , '$3000');

Created Table & Data Insertion Screenshots

```
SQL> select * from STOCK ;

  STOCKID TOTALCOST                          NOOFITEMS DILEVERYTIME        DELIVERYD PRODUCTCOST
               P_ID                SUP_ID
---------- -------------------------------- -------------------------- ----------
-------------------------------- -------------------------- ----------
       10 $150,000                                5000 8:00 AM          22-MAR-20 $30
               38BC27               7521
       20 $40,000                                 2000 8:30 AM          25-MAR-20 $20
               38BT28               7521
       40 $1500,000                               5000  3:00 PM         18-JUL-19 $300
               38DC31               7934
       50 $340,000                                2000 5:00 PM          20-JAN-20 $170
               38DB33               7934
       60 $50,000                                 1000 5:00 PM          21-JUL-20 $50
               38BD30               7900
       70 $75,00                                    50 3:00PM           22-AUG-20 $150
               38DM32               7934
       30 $90,000                                 3000 8:00 AM          19-MAY-19 $30
               38MP29               7369
7 rows selected.
```

```
SQL> select  * from  STOCK_DETAILS ;
S#                      PRODNAME                                                    TOTALQUANTITY PRODDESCRIPTION
                                      EMP_ID    STOCK_ID
---------------------- ------------------------------------------------------------------------------- ------------ ------------------------------
---------------------- ---------- ----------
C401             Coffee                                                      15000 Black Coffee Packets
                                  7511      10
T412             Tea                                                         20000  Tea Bags Small
                                  7511      20
C434             Cereals                                                     10000  Cereal pack
                                  7590      40
B445             Butter                                                       5000  Small pack butter
                                  7511      50
D456             Donuts                                                        800  Donuts Fresh
                                  7512      60
M154             Mixes                                                         100  Daa
                                  7510      70
P423             Poultry                                                     50000  Chicken Boneless Pack
                                  7550      30
7 rows selected.
```

```
SQL> select  * from  SHIPPER ;
     SHID SHNAME                                                SHPHONE
---------- -------------------------------------------------------------------------------- ----------
     7002 Kashif
                                                                03390807722
     7003 Rehan
                                                                03350402780
     7009 Usama
                                                                03390127860
     7100 Ali
                                                                03359524203
     7200 Hanan
                                                                03390802110
     7211 Hamza
                                                                03009001208

6 rows selected.

SQL> select  * from  CUSTOMER ;
      CID CNAME                                        CPHONE      CADDRESS
                  CEMAIL                                           CFAX
---------- -------------------------------------------------------------------------------
```

```
SQL> select  * from  ORDERS ;

   ORDERNO ORDERTIME                     ORDERDATE DELTIME              DELDATE      SH_ID      C_ID     EMP_ID
---------- ----------------------------- --------- --------------      --------- ---------- --------- ----------
      2237 2:00 PM                       18-MAR-20 7:00 PM             23-MAR-20      7002         1       7510
      2238 1:00 PM                       20-MAR-20 3:00 PM             27-MAR-20      7003         2       7511
      2241 8:30 PM                       15-MAY-19 5:00 PM             20-MAY-19      7211         3       7512
      2247 7:00 AM                       11-JUL-20 7:00 PM             19-JUL-19      7009         1       7550
      2282 5:00 PM                       18-JAN-20 5:00 PM             21-JAN-20      7100         4       7512
      2297 2:30 PM                       17-JUL-20 2:00 PM             23-JUL-20      7200         5       7590

6 rows selected.

SQL> select  * from  EMPLOYEE ;

     EMPID EMPNAME

                                                                       EMPPHONE    EMPADDRESS

                   EMPEMAIL
---------- --------------------------------------------------------------------------------------------------
--------------------------------------------------------------------------------------------------
--------------------------------------------------------------------------------------------------
-------------------------- -------------------------------------------------------------------------
------------------------------
      7510 Adnan
                                                                       0339071200  H12,Street#2,GulshanAbaad,Rwp

                   adnanmalik@gmail.com
      7511 Noor
                                                                       0338091227  H17,Street#3,RajaBajar,Rwp

                   noorkhan@yahoo.com
      7512  Noor
                                                                       0338797600  H18,Street#11,Saddar,Rwp

                   danial123@gmail.com
      7550 Noor
                                                                       0335921002  H20,Street#17,Pwd,Isl

                   ammarxyz@gmail.com
      7590 Noor
                                                                       0222224421  H18,Street#4,SchemeIII,Rwp

                   usamaraja@gmail.com
```

```
SQL> select  * from  SUPPLIER ;

     SUPID SUPNAME

                                                                       SUPPHONE     SUPEMAIL
---------- --------------------------------------------------------------------------------------------------
--------------------------------------------------------------------------------------------------
--------------------------------------------------------------------------------------------------
------------------------------
      7521 Nescafe
                                                                       +92515559999 NesCafebasement02@gmail.com

      7900 Puratos Grp
                                                                       +92315557177  Puratusgrp.org@yahoo.com

      7934 At-Tahur
                                                                       +92327788888 AtTahur123@hotmail.com

      7935 Haleeb Foods Ltd
                                                                       +92337705592 Haleebfoods97@gmail.com

      7369 K&Ns
                                                                       +92414445555 K&Ns.pk12@gmail.com

SQL> select  * from INCLUDE  ;

P_ID                       ORDER_NO ORDERQUANTITY PRICE
-------------------------- -------- ------------- --------------------------------------------------------------
38BC27                         2237            50 $1500
38BC27                         2238            40 $800
38DM32                         2241            40 $10000
38DB33                         2237            30 $1500
38DB33                         2238            10 $1500
38BT28                         2238            10 $3000
38BT28                         2241            35 $5950
38BT28                         2282             5 $100
38BT28                         2297            15 $450
38MP29                         2297            20 $6000
38MP29                         2282            20 $1000
38BD30                         2241             7 $21000
38BD30                         2247            75 $25000
38DC31                         2238            75 $3000
```

```
SQL Plus                                                                                    —  □  ×

SQL> select  * from  CATEGORY ;

     CATID CATNAME
---------- --------------------------------------------------------------------------------------
         1 Beverages
         2 Meat
         3 Bread
         4 Dry
         5 Dairy

SQL> select  * from  PRODUCT ;

    CAT_ID PID                      PNAME
                                                                              PPRICE
---------- ------------------------ -------------------------------------------------------------
---------- -------------------------------------------------------------
---------------------------------------
         1 38BC27                   Coffee
               $30
         1 38BT28                   Tea
               $20
         2 38MP29                   Poultry
               $250
         3 38BD30                   Donuts
               $50
         4 38DC31                   Cereals
               $300
         4 38DM32                   Mixes
               $150
         5 38DB33                   Butter
               $170

7 rows selected.

SQL> select  * from  SUPPLIER ;

     SUPID SUPNAME
```

NOTE: The SQL queries when ran are not coming in proper format even the pagesize and linesize been set to 2000.

SQL Queries & Output

1. SELECT Orders.OrderNo, Customer.CName, Shipper.ShName
   FROM ((Orders
   INNER JOIN Customer ON Orders.C_id = Customer.Cid)
   INNER JOIN Shipper ON Orders.Sh_ID = Shipper.ShID);

2. SELECT Orders.OrderNo, Customer.CName
   FROM Orders
   INNER JOIN Customer ON Orders.C_id = Customer.Cid;

3. Customer.CName, Orders.OrderNo
   FROM Customer
   LEFT JOIN Orders ON Customer.CID = Orders.C_ID
   ORDER BY Customer.CName;

4. SELECT Orders.OrderNo, Employee.EmpName
   FROM Orders
   RIGHT JOIN Employee ON Orders.Emp_ID = Employee.EmpID
   ORDER BY Orders.OrderNo;

```
SQL>
SQL> SELECT Orders.OrderNo, Employee.EmpName
  2  FROM Orders
  3  RIGHT JOIN Employee ON Orders.Emp_ID = Employee.EmpID
  4  ORDER BY Orders.OrderNo;

  ORDERNO EMPNAME
--------- -----------------------------------------------
-------------------------------------------------------------
     2238 Noor
     2241  Noor
     2247 Noor
     2282  Noor
     2297 Noor
          Adnan
```

5. SELECT Stock_Details.ProdName, Stock_Details.TotalQuantity,
   Stock_Details.ProdDescription, Stock.StockID
   FROM Stock_Details
   LEFT JOIN Stock ON Stock_Details.Stock_ID= Stock.StockID
   ORDER BY Stock_Details.ProdName;

```
SQL> Select Stock_Details.ProdName,Stock_Details.TotalQuantity, Stock_Details.ProdDescription,Stock.StockID
  2  From Stock_Details
  3  Left Join Stock ON Stock_Details.Stock_ID= Stock.StockID
  4  Order by Stock_Details.ProdName;

PRODNAME
                                                                   TOTALQUANTITY PRODDESCRIPTION
                              STOCKID
-----------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------- ------------- ----------------------------------------
-----------------------------------------------------------------------------------------------------------------
-------------------- ---------
Butter
                                                                        5000  Small pack butter
                              50
Cereals
                                                                       10000  Cereal pack
                              40
Coffee
                                                                       15000 Black Coffee Packets
                              10
Donuts
                                                                         800  Donuts Fresh
                              60
Mixes
                                                                         100  Daa
                              70
Poultry
                                                                       50000  Chicken Boneless Pack
                              30
Tea
                                                                       20000  Tea Bags Small
                              20
```

6. SELECT Product.PName, Product.Pprice
   FROM Product
   LEFT JOIN Category ON Product.Cat_id= Category.Catid
   ORDER BY Product.PName;

```
SQL> Select Product.PName,Product.Pprice
  2  From Product
  3  Left Join Category ON Product.Cat_id= Category.Catid
  4  Order by  Product.PName;

PNAME
                                                                         PPRICE
----------------------------------------------------------------- -----------------------------------------------------------
-------
Butter
                                                                         $170
Cereals
                                                                         $300
Coffee
                                                                         $30
Donuts
                                                                         $50
Mixes
                                                                         $150
Poultry
                                                                         $250
Tea
                                                                         $20
```

7. SELECT Shipper.ShName, COUNT(Orders.OrderNo) AS Number_Of_Orders
   FROM Orders
   LEFT JOIN Shipper ON Orders.Sh_ID = Shipper.ShID
   GROUP BY ShName;

```
SQL> SELECT Shipper.ShName, COUNT(Orders.OrderNo) AS Number_Of_Orders FROM Orders
  2  LEFT JOIN Shipper ON Orders.Sh_ID = Shipper.ShID
  3  GROUP BY ShName;

SHNAME
                                                                  NUMBER_OF_ORDERS
----------------------------------------------------------------- ----------------
--------------------------------------------------------------- ----------------
Rehan
                                                                                 1
Hanan
                                                                                 1
Ali
                                                                                 1
Hamza
                                                                                 1
Usama
                                                                                 1
```

HTML Forms

1. Customer Order Form

```
<!DOCTYPE html>
<body>
 <form>
 <TABLE BORDER=2 >
 <TH>CUSTOMER ORDER FORM</TH>
<TR><TD>First Name: <input type="text" name="firstname">
</TD></TR><br>
<TR><TD>Last Name: <input type="text" name="lastname" >
</TD></TR><br>
<TR><TD>DelAddress: <input type="text" name="address" > </TD></TR><br>
<TR><TD>Phone No: <input type="text" name="phoneNo" > </TD></TR><br>
<TR><TD>Order Qty: <input type="text" name="orderqty" > </TD></TR><br>
<TR ><TD><input type="submit" value="Submit"></TD></TR><br>
</TABLE>
</form>
</body>
</html>
```

CUSTOMER ORDER FORM

CUSTOMER ORDER FORM
First Name:
Last Name:
DelAddress:
Phone No:
Order Qty:
Submit

2. Customer Data Form

```
<!DOCTYPE html>
<body>
<h1> CUSTOMER ORDER INFO DISPLAY </h1><br>
<TABLE BORDER=2 >
<TR ALIGN=middle><TH>Order No</TH><TH>Order Time</TH><TH>Order
Date</TH>
<TH>Del Time</TH><TH>Del Date</TH><TH>Customer Id</TH><TH>Employee
Id</TH><TH>Shipper Id</TH>< /TR>
<TR ALIGN=middle><TD>7301</TD><TD>10:00 a.m</TD><TD>4th April,
2020</TD><TD>2:00 p.m</TD><TD>9th April, 2020 </TD>
<TD>10</TD><TD>01</TD><TD>5501</TD>< /TR>
<TR ALIGN=middle><TD>7302</TD><TD>9:00 pm</TD><TD>6th April,2020</TD>
<TD>10:00 a.m</TD><TD>11th April, 2020</TD>
<TD>11</TD><TD>02</TD><TD>5502</TD>< /TR>
<TR ALIGN=middle><TD>7303</TD><TD>2:00 p.m</TD><TD>4th April,
2020</TD><TD>3:00 p.m</TD><TD>9th April, 2020</TD>
<TD>12</TD><TD>01</TD><TD>5501</TD>< /TR>
<TR ALIGN=middle><TD>7304</TD><TD>1:00 p.m</TD><TD>5th April,
2020</TD><TD>11;:00 a.m</TD><TD>10th April, 2020</TD>
<TD>13</TD><TD>05</TD><TD>5503</TD>< /TR>
<TR ALIGN=middle><TD>7305</TD><TD>4:00 p.m</TD><TD>7th April,
2020</TD><TD>6:00 p.m</TD><TD>12th April, 2020</TD>
<TD>14</TD><TD>02</TD><TD>5504</TD>< /TR>
<TR ALIGN=middle><TD>7306</TD><TD>5:00 p.m</TD><TD>7th April,
2020</TD><TD>7:00 p.m</TD><TD>12th April, 2020</TD>
<TD>15</TD><TD>03</TD><TD>5505</TD>< /TR>
</TABLE>
</body>
</html>
```

CUSTOMER ORDER INFO DISPLAY

Order No	Order Time	Order Date	Del Time	Del Date	Customer Id	Employee Id	Shipper Id
7301	10:00 a.m	4th April, 2020	2:00 p.m	9th April, 2020	10	01	5501
7302	9:00 pm	6th April,2020	10:00 a.m	11th April, 2020	11	02	5502
7303	2:00 p.m	4th April, 2020	3:00 p.m	9th April, 2020	12	01	5501
7304	1:00 p.m	5th April, 2020	11;:00 a.m	10th April, 2020	13	05	5503
7305	4:00 p.m	7th April, 2020	6:00 p.m	12th April, 2020	14	02	5504
7306	5:00 p.m	7th April, 2020	7:00 p.m	12th April, 2020	15	03	5505

3. Product List Form

```
<!DOCTYPE html>
<body>
<h1> PRODUCT LIST </h1><br>
<TABLE BORDER=2 >
<TR
ALIGN=middle><TH>ProductID</TH><TH>ProductName</TH><TH>ProductPrice</TH>
<TH>CatID</TH>< /TR>
<TR
ALIGN=middle><TD>38BC27</TD><TD>Coffee</TD><TD>$30</TD><TD>1</TD>< /TR>
<TR
ALIGN=middle><TD>38BT28</TD><TD>Tea</TD><TD>$20</TD> <TD>1</TD>< /TR>
<TR
ALIGN=middle><TD>38MP29</TD><TD>Poultry</TD><TD>$250</TD><TD>2</TD></
Tr
>
<TR
ALIGN=middle><TD>38BD30</TD><TD>Donuts</TD><TD>$50</TD><TD>3</TD>< /TR>
<TR
ALIGN=middle><TD>38DC31</TD><TD>Cereals</TD><TD>$300</TD><TD>4</TD></
Tr>
<TR
ALIGN=middle><TD>38DM32</TD><TD>Mixes</TD><TD>$150</TD><TD>4</TD></T
r>
<TR
ALIGN=middle><TD>38DB33</TD><TD>Butter</TD><TD>$170</TD><TD>5</TD></T
r>
</TABLE>
</body>
</html>
```

PRODUCT LIST

ProductID	ProductName	ProductPrice	CatID
38BC27	Coffee	$30	1
38BT28	Tea	$20	1
38MP29	Poultry	$250	2
38BD30	Donuts	$50	3
38DC31	Cereals	$300	4
38DM32	Mixes	$150	4
38DB33	Butter	$170	5