SQL QUERIES: SNAPBUY- 2021266, 2021263

BASIC SELECTION:--

sql> select * from USR where upper(User_Name) like 'CL%';									
User_Id User_N	lame Passwrd	Street	City	Email_Id	Phone				
2166 Clive 15673 Claudi 90751 Clive	anus R8c0q9TxM0s	460 Debs Road	460 Debs Road	cbeesley11@symantec.com cohannen19@cnn.com cmoquin13@businessweek.com	384-343-7296 472-716-6316 277-850-8707				
3 rows in set (0.0	00 sec)		 	+	++				

NATURAL JOIN:--

11-	-t 0-1 TJ Cl-	N AC "CHIRDED NAME"	Cl.: A.I.I	Chiana Datina (·	MATUDAL	TOTAL -L	:	UILEDE C	Ch.	D-43	0 -
mysdi> seied	ct Uraer_Ia, Sn:	ipper_Name AS "SHIPPER NAME"	, Snipper_Address,	Snipper_Kating t	rom orae u	NATUKAL	JOIN SN	ipper 5	WHEKE 5	.Snipper	_Kating	= 9;
+ Order_Id	+ SHIPPER NAME	+ Shipper_Address	Shipper_Rating									
+	+	+										
5488	Berta	0 Anhalt Park	9									
14957	Deanne	5 Annamark Way	9									
17832	Gordan	570 Butterfield Terrace	9									
33546	Gerri	50 Bowman Avenue	9									
51693	Chrisse	0 Mallory Parkway	9									
57286	Sullivan	45 Chive Alley	9									
66243	Edgar	7 Maple Wood Junction	9									
84750	Alexia	0819 Badeau Avenue	9									
85527	Josefina	8 Autumn Leaf Way	9									
87708	Korey	48215 Hoffman Center	9									
7303	Jenny	20614 Butterfield Terrace	9									
98977	Carroll	5 Algoma Terrace	9									
+	+	+	·+									
12 rows in	set (0 00 sec)											

UPDATE COMMAND:--

```
mysql> UPDATE PRODUCT P SET P.Product_Id = P.Product_Id + 1000 WHERE P.Product_Id = ANY ( SELECT Product_Id from inventory WHERE Quantity > 5) ;
Query OK, 96 rows affected (0.06 sec)
Rows matched: 96 Changed: 96 Warnings: 0
```

INNER JOIN:--

mysql> select Coupc	n_Discount, Coupon_E	Expirydate,	Order_Id, Tota	ol_Cost from Coupon C INNER JOIN orde 0 ON C.User_Id = O.User_Id WHERE C.Coupon_Expirydate <= '2-16-2022' AND O.Total_Cost = 90;
Coupon_Discount	Coupon_Expirydate	Order_Id	Total_Cost	
	08-05-2022 10-01-2022	70984 82739	:	
2 rows in set (0.00	sec)		•	

NESTED SELECT QUERY:--

NESTED SELECT + AVG FUNCTION:--

```
mysql> SELECT * FROM cart where Product_Id in
   -> ( SELECT Product_Id FROM PRODUCT WHERE Product_Cost <
   -> ( SELECT AVG(Product_Cost) FROM PRODUCT ORDER BY Product_Cost)) limit 10;
 Product_Id | User_Id | Quantity | Price |
       2780
                 1780
                                    497
                             81
       2807
                 1807
                             11
                                   4843
       3166
                2166
                             51
                                   3767
       4316 l
                3316 l
                             29
                                   1279
       5032
                4032
                             45
                                   7487
                4392
       5392
                             93 l
                                   4147
       5488
                5488
                             0 |
                                   1310
       5640
                4640
                             52
                                   2072
                5821
                             6
                                   478
       6821
      10102
                 9102
                             47
                                   1227
10 rows in set (0.00 sec)
```

AVG AND SUM IN NESTED SELECT

```
mysql> SELECT SUM(QUANTITY*PRICE) FROM CART WHERE USER_ID IN
-> ( SELECT USER_ID FROM COUPON WHERE COUPON_DISCOUNT >
-> (SELECT AVG(COUPON_DISCOUNT) FROM COUPON));
+-----+
| SUM(QUANTITY*PRICE) |
+-----+
| 11542253 |
+-----+
1 row in set (0.00 sec)
```

ALTER TABLE COMMAND(BOTH ADD AND DROP COLUMN)

```
mysql> ALTER TABLE BILL
    -> ADD COLUMN BILL_INFORMATION TEXT;
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> SELECT * FROM BILL LIMIT 10;
 -----
                                                      | Payment_Mode | BILL_INFORMATION |
| Bill_Id | Bill_Address
     1780 | 51109 Arizona Park | CASH | NULL 1807 | 48406 Hoard Park | CASH | NULL 2166 | 24 Meadow Valley Junction | CASH | NULL 3316 | 42 Sutteridge Street | PAYTM | NULL 4032 | 061 7th Pass | PAYTM | NULL 4392 | 5 Northview Street | CASH | NULL 4640 | 638 Judy Center | PAYTM | NULL 5488 | 3218 Schurz Avenue | CASH | NULL 5821 | 1 Northland Place | PAYTM | NULL 9102 | 3 Buena Vista Plaza | CASH | NULL
10 rows in set (0.00 sec)
mysql> ALTER TABLE BILL
    -> DROP COLUMN BILL_INFORMATION;
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> SELECT * FROM BILL LIMIT 10;
| Bill_Id | Bill_Address
                                                      | Payment_Mode |
      1780 | 51109 Arizona Park
1807 | 48406 Hoard Park
                                                      | CASH
| CASH
      2166 | 24 Meadow Valley Junction | CASH
      3316 | 42 Sutteridge Street
                                                      PAYTM
      4032 | 061 7th Pass
4392 | 5 Northview Street
                                                      PAYTM
                                                      CASH
                                                     PAYTM
CASH
PAYTM
CASH
CASH
      4640 | 638 Judy Center
      5488 | 3218 Schurz Avenue
      5821 | 1 Northland Place
      9102 | 3 Buena Vista Plaza
10 rows in set (0.00 sec)
```

GROUP BY AND COUNT(*) CLAUSE:--

RODUCT_NAME	ALL 5 STAR PRODUCTS	
Avavee	 1	
Bluezoom		
Browsezoom		
Bubblebox		
Centimia		
Dabjam	1	
Einti		
Gigaclub		
Innojam	1	
Katz Mvdo	1	
พyao Realcube	1	
Thoughtstorm	1	
Topicstorm	1	
Trudoo	1	
rows in set (RODUCT_COST,COUNT(*) AS	s "ALL 5 STAR PRODUCTS" FROM PRODUCT WHERE PRODUT_RATING = 5 GROUP BY PRODUCT_COST ORDER BY PRODUCT_COST DES
rows in set (0.00 sec) RODUCT_COST,COUNT(*) AS ALL 5 STAR PRODUCTS	S "ALL 5 STAR PRODUCTS" FROM PRODUCT WHERE PRODUT_RATING = 5 GROUP BY PRODUCT_COST ORDER BY PRODUCT_COST DESC
rows in set (0.00 sec) RODUCT_COST,COUNT(*) AS	S "ALL 5 STAR PRODUCTS" FROM PRODUCT WHERE PRODUT_RATING = 5 GROUP BY PRODUCT_COST ORDER BY PRODUCT_COST DESC
PRODUCT_COST	0.00 sec) RODUCT_COST,COUNT(*) AS ALL 5 STAR PRODUCTS	S "ALL 5 STAR PRODUCTS" FROM PRODUCT WHERE PRODUT_RATING = 5 GROUP BY PRODUCT_COST ORDER BY PRODUCT_COST DESC
rows in set (sql> SELECT PF PRODUCT_COST	0.00 sec) RODUCT_COST,COUNT(*) AS ALL 5 STAR PRODUCTS	S "ALL 5 STAR PRODUCTS" FROM PRODUCT WHERE PRODUT_RATING = 5 GROUP BY PRODUCT_COST ORDER BY PRODUCT_COST DESC
rows in set (sql> SELECT PF PRODUCT_COST 92549 87708	0.00 sec) RODUCT_COST,COUNT(*) AS ALL 5 STAR PRODUCTS 1 1 1 1	S "ALL 5 STAR PRODUCTS" FROM PRODUCT WHERE PRODUT_RATING = 5 GROUP BY PRODUCT_COST ORDER BY PRODUCT_COST DESC
rows in set (sql> SELECT PF PRODUCT_COST 92549 87708 86586	0.00 sec) RODUCT_COST,COUNT(*) AS ALL 5 STAR PRODUCTS 1 1 1 1 1 1 1 1 1	S "ALL 5 STAR PRODUCTS" FROM PRODUCT WHERE PRODUT_RATING = 5 GROUP BY PRODUCT_COST ORDER BY PRODUCT_COST DESC
rows in set (sql> SELECT PF PRODUCT_COST 92549 87708 86586 82728 79121 68245	0.00 sec) ADDUCT_COST,COUNT(*) AS ALL 5 STAR PRODUCTS 1 1 1 1 1 1 1 1 1	S "ALL 5 STAR PRODUCTS" FROM PRODUCT WHERE PRODUT_RATING = 5 GROUP BY PRODUCT_COST ORDER BY PRODUCT_COST DESC
PRODUCT_COST 92549 87708 86586 82728 79121 68245 51693	0.00 sec) ADDUCT_COST,COUNT(*) AS ALL 5 STAR PRODUCTS 1 1 1 1 1 1 1 1 1	S "ALL 5 STAR PRODUCTS" FROM PRODUCT WHERE PRODUT_RATING = 5 GROUP BY PRODUCT_COST ORDER BY PRODUCT_COST DESC
rows in set (sql> SELECT PR PRODUCT_COST 92549 87708 86586 82728 79121 68245 51693 51144	0.00 sec) RODUCT_COST,COUNT(*) AS ALL 5 STAR PRODUCTS 1 1 1 1 1 1 1 1 1	S "ALL 5 STAR PRODUCTS" FROM PRODUCT WHERE PRODUT_RATING = 5 GROUP BY PRODUCT_COST ORDER BY PRODUCT_COST DESC
rows in set (sql> SELECT PF PRODUCT_COST 92549 87708 86586 82728 79121 68245 51693 51144 41323	0.00 sec) ADDUCT_COST,COUNT(*) AS ALL 5 STAR PRODUCTS 1 1 1 1 1 1 1 1 1	S "ALL 5 STAR PRODUCTS" FROM PRODUCT WHERE PRODUT_RATING = 5 GROUP BY PRODUCT_COST ORDER BY PRODUCT_COST DESC
rows in set (sql> SELECT PP PRODUCT_COST 92549 87708 86586 82728 9121 68245 51693 51144 41323 33546	0.00 sec) RODUCT_COST,COUNT(*) AS ALL 5 STAR PRODUCTS 1 1 1 1 1 1 1 1 1	S "ALL 5 STAR PRODUCTS" FROM PRODUCT WHERE PRODUT_RATING = 5 GROUP BY PRODUCT_COST ORDER BY PRODUCT_COST DESC
PRODUCT_COST 92549 87708 87708 86586 87728 79121 68245 51693 51144 41322 33546 28933	0.00 sec) ALL 5 STAR PRODUCTS 1 1 1 1 1 1 1 1 1	S "ALL 5 STAR PRODUCTS" FROM PRODUCT WHERE PRODUT_RATING = 5 GROUP BY PRODUCT_COST ORDER BY PRODUCT_COST DESC
rows in set (q1) SELECT PF PRODUCT_COST 92549 87708 86586 82728 79121 68245 51693 51144 41323 33546 28933 26819	0.00 sec) ALL 5 STAR PRODUCTS 1 1 1 1 1 1 1 1 1	S "ALL 5 STAR PRODUCTS" FROM PRODUCT WHERE PRODUT_RATING = 5 GROUP BY PRODUCT_COST ORDER BY PRODUCT_COST DESC
rows in set (sql> SELECT PR PRODUCT_COST 92549 87708 86586 82728 99121 68245 51693 51144 41323 33546 28933 26819 114444	0.00 sec) ADDUCT_COST,COUNT(*) AS ALL 5 STAR PRODUCTS 1	S "ALL 5 STAR PRODUCTS" FROM PRODUCT WHERE PRODUT_RATING = 5 GROUP BY PRODUCT_COST ORDER BY PRODUCT_COST DESC
rows in set (sql> SELECT PF PRODUCT_COST	0.00 sec) ALL 5 STAR PRODUCTS 1 1 1 1 1 1 1 1 1	S "ALL 5 STAR PRODUCTS" FROM PRODUCT WHERE PRODUT_RATING = 5 GROUP BY PRODUCT_COST ORDER BY PRODUCT_COST DESC

RIGHT JOIN WITH WHERE CLAUSE FOR GETTING FEEDBACK OF PRODUCTS WITH PRICE > 500:--

mysql> SELECT * FROM FEEDBACK RIGHT JOIN USR ON FEEDBACK.USER_ID = USR.USER_ID WHERE FEEDBACK_RATING = 4 AND PRODUCT_NAME IN -> (SELECT PRODUCT_NAME FROM PRODUCT WHERE PRODUCT_COST > 500);										
Feedback_Id	User_Id	Product_Name	Feedback_Rating	User_Id	User_Name	Passwrd	Street	City	Email_Id	Phone
38062	38062	Meevee	4	38062	Horatia	Z4tAyE	5498 Pierstorff Trail	5498 Pierstorff Trail	hjurisch18@seesaa.net	447-270-0029
46797	46797	Pixope	4	46797	Padraig	9ChKUV2S2	453 Bonner Crossing	453 Bonner Crossing	psedgemondy@apple.com	131-276-6745
53630	53630	Podcat	4	53630	Lula	uklSftKRiA	3901 Scofield Drive	3901 Scofield Drive	lcallam2h@disqus.com	371-290-9017
70093	70093	Babbleset	4	70093	Bernard	oyuSEEoYI	3 Holy Cross Street	3 Holy Cross Street	bnicholi@smh.com.au	794-997-5049
99630	99630	Twiyo	4	99630	Karrah	Sffu3y3iZt	773 Ridgeway Hill	773 Ridgeway Hill	kheigold2@bravesites.com	650-854-6084
99730	99730	Oyoba	4	99730	Cooper	aoRqDAnoJw	38 Summit Park	38 Summit Park	clabern14@cornell.edu	126-131-2458
+ 6 rows in set (+ (0.00 sec)	 	 	 	 	 		 	+	·+

FOREIGN KEY CONSTRAINT DISPLAYED:--

```
mysql> select * from product limit 1;
 Product_Id | Product_Name | Product_Cost | Produt_Rating | Availability |
                                                                     0
         1780 | Twitterlist |
                                              1780
 row in set (0.00 sec)
mysql> select * from user limit 1;
ERROR 1146 (42SO2): Table 'snapbuy.user' doesn't exist
mysql> select * from usr limit 1;
 User_Id | User_Name | Passwrd
                                                                                                           | Email_Id
      1780 | Mord
                           | jRwnLLsioI | 21432 Pankratz Junction | 21432 Pankratz Junction | mtilbey9@privacy.gov.au | 313-707-9773
 row in set (0.00 sec)
mysql> select * from usr limit 2;
 User_Id | User_Name | Passwrd
                                                                                                              | Email_Id
                                                21432 Pankratz Junction | 21432 Pankratz Junction | mtilbey9@privacy.gov.au
                                                                                                                                                      313-707-9773
      1807 | Filberto
                             mdOIM3UvNA8P
                                               76237 Veith Junction
                                                                               76237 Veith Junction
                                                                                                              frungek@pagesperso-orange.fr | 209-424-1179
 rows in set (0.00 sec)
mysql> INSERT INTO CART VALUES(1780, 1807, 90, 89);
ERROR 1062 (23000): Duplicate entry '1780' for key 'cart.Product_Id'
mysql> INSERT INTO CART VALUES(156, 1807, 90, 89);
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`snapbuy`.`cart`, CONSTRAINT `cart_ibfk_1` FOREIGN KEY (`Product_Id`) REFERENCES `product` (`Product_Id`) ON DELETE RESTRICT
ON UPDATE CASCADE)
```

BETWEEN CLAUSE:--

mysql> SELECT ORDER_ID, TOTAL_COST FROM ORDE WHERE TOTAL_COST BETWEEN 30 AND 40; TOTAL COST ORDER ID 4392 40 14185 39 28933 36 52823 37 53630 31 90751 34 92549 rows in set (0.00 sec)

ORDER BY AND INNER JOIN FOR PRIME USERS:

ysql> SELECT USER_NAME, COUNT(*) AS "PRIME USERS" FROM USR INNER JOIN CART ON USR.USER_ID = CART.USER_ID WHERE CART.PRICE > 8000 GROUP BY USER_NAME ORDER BY USER_NAME;

JSER_NAME	PRIME USERS
Bink	1
Bradan	1
Brit	1
Clive	1
Dennie	1
Derrek	1
Hazel	1
Humbert	1
Jason	1
Jewel	1
Leda	1
Lonni	1
Moira	1
Suzann	1
	++

rows in set (0.00 sec

CONSTRAINTS OF ALL TABLES:

1 row in set (0.00 sec)

```
mysql> SHOW CREATE TABLE admin;
 admin | CREATE TABLE `admin` (
  `Admin_Id` int unsigned NOT NULL,
`UserName` varchar(50) NOT NULL,
  `Passwrd` varchar(20) NOT NULL,
 `Admin_Special_Key` int NOT NULL DEFAULT '0',
PRIMARY KEY (`Admin_Id`),
UNIQUE KEY `Admin_Id` (`Admin_Id`),
KEY `idx_special_key` (`Admin_Special_Key`)
 ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci |
l row in set (0.00 sec)
mysql> SHOW CREATE TABLE product;
                                                                                                        mysql> SHOW CREATE TABLE category;
 Table | Create Table
                                                                                                          Table
                                                                                                                     Create Table
                                                                                                          category | CREATE TABLE `category` (
 product | CREATE TABLE `product` (
                                                                                                           `Category_Id` int unsigned NOT NULL,
   `Product_Id` int unsigned NOT NULL,
                                                                                                           `Category_Name` varchar(50) NOT NULL,
  `Product_Name` varchar(50) NOT NULL,
  `Product_Cost` int unsigned NOT NULL DEFAULT '0',
                                                                                                           `Category_Discount` int unsigned NOT NULL DEFAULT '0',
  `Produt_Rating` int NOT NULL,
 `Availability` int NOT NULL,

PRIMARY KEY (`Product_Id`),

UNIQUE KEY `Product_Id` (`Product_Id`),

KEY `idx_special_key` (`Product_Name`)

ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci |
                                                                                                          `Category Information` varchar(50) NOT NULL,
                                                                                                          PRIMARY KEY (`Category_Id`),
                                                                                                          UNIQUE KEY 'Category Id' ('Category Id')
```

1 row in set (0.00 sec)

ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4 0900 ai ci

```
mysql> SHOW CREATE TABLE usr;
        Table | Create Table
       usr | CREATE TABLE `usr` (
`User_Id` int unsigned NOT NULL,
`User_Name` varchar(50) NOT NULL,
`Passwrd` varchar(50) NOT NULL,
`Street` varchar(50) NOT NULL,
`City` varchar(50) NOT NULL,
`Email_Id` varchar(50) NOT NULL,
`Phone` varchar(50) NOT NULL,

PRIMARY KEY (`User_Id`),
UNIQUE KEY `User_Id` (`User_Id`)
ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci |
        usr | CREATE TABLE `usr` (
        row in set (0.00 sec)
mysql> SHOW CREATE TABLE orde;
        `Order_Id` int unsigned NOT NULL,
`Delivery_Address` varchar(50) NOT NULL,
  `Delivery_Address` varchar(50) NOT NULL,

`Shipper_Id` int unsigned NOT NULL,

`Total_Cost` int NOT NULL,

`Coupon_Id` int unsigned NOT NULL,

*Bill_Id` int unsigned NOT NULL,

*Bill_Id` int unsigned NOT NULL,

*Bill_Id` int unsigned NOT NULL,

*PRIMARY KEY (`Order_Id`),

UNIQUE KEY 'Order_Id` (`Order_Id`),

UNIQUE KEY 'Shipper_Id' (`Shipper_Id`),

UNIQUE KEY 'Shipper_Id' (`Shipper_Id`),

UNIQUE KEY 'Shipper_Id' (`Coupon_Id`),

UNIQUE KEY 'Bill_Id' (`Bill_Id'),

UNIQUE KEY 'User_Id' (`User_Id'),

CONSTRAINT 'orde_ibfk_1' FOREIGN KEY (`User_Id') REFERENCES `usr' (`User_Id') ON DELETE RESTRICT ON UPDATE CASCADE,

CONSTRAINT 'orde_ibfk_2' FOREIGN KEY (`Shipper_Id') REFERENCES `coupon' (`Shipper_Id') ON DELETE RESTRICT ON UPDATE CASCADE,

CONSTRAINT 'orde_ibfk_2' FOREIGN KEY (`Coupon_Id') REFERENCES `coupon' (`Coupon_Id') ON DELETE RESTRICT ON UPDATE CASCADE,

CONSTRAINT 'orde_ibfk_4' FOREIGN KEY (`Shipler_Id') REFERENCES `bill' (`Bill_Id') ON DELETE RESTRICT ON UPDATE CASCADE,

CONSTRAINT 'orde_ibfk_4' FOREIGN KEY (`Bill_Id') REFERENCES `bill' (`Bill_Id') ON DELETE RESTRICT ON UPDATE CASCADE

ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci |
      ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci |
1 row in set (0.00 sec)
```

```
mysql> SHOW CREATE TABLE cart;
| Table | Create Table
  cart | CREATE TABLE `cart`
  `Product_Id` int unsigned NOT NULL,
 'Product_Id' int unsigned NOT NULL,

'User_Id' int unsigned NOT NULL,

'Quantity' int NOT NULL DEFAULT '0',

'Price' int NOT NULL DEFAULT '0',

PRIMARY KEY ('Product_Id', 'Quantity', 'Price'),

UNIQUE KEY 'Product_Id' ('Product_Id'),

UNIQUE KEY 'User_Id' ('User_Id'),

CONSTRAINT 'cart_ibfk_1' FOREIGN KEY ('Product_Id') REFERENCES 'product' ('Product_Id') ON DELETE RESTRICT ON UPDATE CASCADE,

CONSTRAINT 'cart_ibfk_2' FOREIGN KEY ('User_Id') REFERENCES `usr' ('User_Id') ON DELETE RESTRICT ON UPDATE CASCADE

ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci |
1 row in set (0.00 sec)
mysql> SHOW CREATE TABLE coupon;
Table | Create Table
1 row in set (0.00 sec)
mysql> SHOW CREATE TABLE bill;
  Table | Create Table
  bill | CREATE TABLE `bill` (
   `Bill_Id` int unsigned NOT NULL,
  `Bill_Address` varchar(50) NOT NULL,
`Payment_Mode` varchar(50) NOT NULL,
  PRIMARY KEY (`Bill_Id`),
UNIQUE KEY `Bill_Id` (`Bill_Id`)
   ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4 0900 ai ci |
  row in set (0.00 sec)
```

mysql> SHOW CF	REATE TABLE inventory;	
	Create Table	
`Product_Id` `Quantity` i PRIMARY KEY UNIQUE KEY ` CONSTRAINT `	CREATE TABLE `inventory` (int unsigned NOT NULL, int NOT NULL DEFAULT '0', (`Product_Id`), Product_Id`), Product_Id` (`Product_Id`), inventory_ibfk_1` FOREIGN KEY (`Product_Id`) REFERENCES `product` (`Product_Id`) ON DELETE RESTRICT ON UPDATE CASCADE DB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci	
1 row in set ((0.00 sec)	
ysql> SHOW CR	EATE TABLE distributor;	
Table	Create Table	
`Distributor `Distributor `Distributor PRIMARY KEY UNIQUE KEY		
row in set (0.00 sec)	
ql> SHOW CREATE 1 -> ;	TABLE belongsTo	
able Create	e Table	
Category_Id` int Product_Id` int u RIMARY KEY (`Cate NIQUE KEY `Catego NIQUE KEY `Produc ONSTRAINT `belong ONSTRAINT `belong	E TABLE `belongsto` (unsigned NOT NULL, unsigned NOT NULL, egory_Id`, `Product_Id`), ory_Id` (`Category_Id`), t_Id` (`Froduct_Id`), gsto_ibfk_1` FOREIGN KEY (`Product_Id`) REFERENCES `product` (`Product_Id`) ON DELETE RESTRICT ON UPDATE CASCADE, gsto_ibfk_2` FOREIGN KEY (`Category_Id`) REFERENCES `category` (`Category_Id`) ON DELETE RESTRICT ON UPDATE CASCADE AULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci	
ow in set (0.00 s	sec)	

nysql> SHOW CREATE TABLE gives;		
Table Create Table		
gives CREATE TABLE `gives` (
l row in set (0.00 sec)		
nysql> SHOW CREATE TABLE stores;		
Table Create Table		
stores CREATE TABLE `stores` (CT ON UPDATE CASCADE	
l row in set (0.00 sec)		
mysql> SHOW CREATE TABLE shipper;		
Table Create Table	• I	
shipper CREATE TABLE 'shipper' (+	
l row in set (0.00 sec)		

mysql> SHOW CREATE TABLE PURCHASED;	
Table Create Table	
PURCHASED CREATE TABLE `purchased` (`Product_Id` int unsigned NOT NULL, `Order_Id` int unsigned NOT NULL, `Order_Id` int unsigned NOT NULL, `Order_Id` int unsigned NOT NULL DEFAULT '0', Quantity` int NOT NULL DEFAULT '0', PRIMARY KEY (`Product_Id`), UNIQUE KEY `Product_Id` (`Product_Id`), UNIQUE KEY `Product_Id` (`Product_Id`), UNIQUE KEY `Order_Id` (`Order_Id`), CONSTRAINT `purchased_ibfk_1` FOREIGN KEY (`Product_Id`) REFERENCES `product` (`Product_Id`) ON DELETE RESTRICT ON UPDATE CASCADE, CONSTRAINT `purchased_ibfk_1` FOREIGN KEY (`Product_Id`) REFERENCES `orde` (`Order_Id`) ON DELETE RESTRICT ON UPDATE CASCADE) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci ****	
1 row in set (0.00 sec)	
rsql> SHOW CREATE TABLE supplies;	
Table Create Table	
supplies CREATE TABLE `supplies` (`Distributor_Id` int unsigned NOT NULL, 'Product_Id` int unsigned NOT NULL, 'Product_Id` int unsigned NOT NULL, 'PRIMARY KEY (`Distributor_Id`, 'Product_Id`), UNIQUE KEY `Distributor_Id` (`Distributor_Id`), UNIQUE KEY `Product_Id` (`Product_Id`), UNIQUE KEY 'Product_Id` ('Product_Id'), CONSTRAINT `supplies_ibfk_1` FOREIGN KEY (`Distributor_Id`) REFERENCES `distributor` (`Distributor_Id`) ON DELETE RESTRICT ON UPDATE CASCADE, CONSTRAINT `supplies_ibfk_2` FOREIGN KEY (`Product_Id') REFERENCES `product` (`Product_Id') ON DELETE RESTRICT ON UPDATE CASCADE ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci	
row in set (0.00 sec)	
/sql> SHOW CREATE TABLE deliveredby;	
Table Create Table	
deliveredby CREATE TABLE `deliveredby` (
row in set (0.00 sec)	

RELATION SCHEMA

1.) ENTITY: ADMIN RELATION SCHEMA: Admin(Admin_Id, UserName, Password, Admin_Special_key) 2.) ENTITY: PRODUCT RELATION SCHEMA: Product(Product_Id, Product_Cost, Product_Name, Availability, Product_Rating) 3.) ENTITY: CATEGORY RELATION SCHEMA: Category(Category_Id, Category_Name, Category_Discount, Category_Information); 4.) ENTITY: ORDER RELATION SCHEMA: Order(Order_Id, Delivery_Address, Shipper_ID, Total_Cost, User_ID, Biill_ID, Coupon_ID, Shipper_ID); FOREIGN KEYS IDENTIFIED: 1.)COUPON_ID UNIQUELY IDENTIFIES COUPON ENTITY 2.) SHIPPER_ID UNIQUELY IDENTIFIES SHIPPER ENTITY 3.) BILL_ID UNIQUELY IDENTIFIES BILL ENTITY 4.) USER_ID UNIQUELY IDENTIFIES USER ENTITY 5.) ENTITY: SHIPPER RELATION SCHEMA: Shipper(Shipper_ID, Shipper_Current_Address, Shipper_Rating, Shipper_name)

6.) ENTITY: COUPON

RELATION SCHEMA: Coupon(<u>Coupon_ID</u>, Discount_percentage, Availability, Expiry_Date, User_ID)

FOREIGN KEYS IDENTIFIED:

1.) USER_ID UNIQUELY IDENTIFIES USER ENTITY

7.) ENTITY: INVENTORY

RELATION SCHEMA: Inventory(<u>Product_ID</u>, Quantity)

FOREIGN KEYS IDENTIFIED:

1.) PRODUCT_ID UNIQUELY IDENTIFIES PRODUCT

8.) ENTITY: CART (WEAK ENTITY IDENTIFIED)

RELATION SCHEMA: Cart(User_ID, Product_ID, Quantity)

FOREIGN KEYS IDENTIFIED:

- 1.) USER ID UNIQUELY IDENTIFIES USER ENTITY
- 2.) PRODUCT ID UNIQUELY IDENTIFIES PRODUCT ENTITY
- 9.) ENTITY: FEEDBACK (WEAK ENTITY IDENTIFIED)

RELATION SCHEMA: Feedback (Feedback ID, User ID, Rating, Product Name)

FOREIGN KEYS IDENTIFIED:

1.) USER_ID UNIQUELY IDENTIFIES USER ENTITY

10.) ENTITY: USER (IDENTIFIED MULTI VALUED ATTRIBUTE IN USER NAMELY PHONE NUMBER AND COMPOSITE ATTRIBUTE NAMELY ADDRESS)

RELATION SCHEMA: User(Name, <u>User ID</u>, street, city, Email_ID, Password)

- 11.) MULTIVALUED ATTRIBUTE IN USER: PHONE NUMBER:
 RELATION SCHEMA: Phone_Number(<u>User_ID</u>, Phone Number)
- 12.) MULTIVALUED ATTRIBUTE IN ORDER: PURCHASED

 RELATION SCHEMA: Purchased(Product ID, Order ID, Quantity)

 FOREIGN KEY IDENTIFIED:

 ORDER_ID UNIQUELY IDENTIFIES ORDER ENTITY

 PRODUCT_ID UNIQUELY IDENTIFIES PRODUCT ENTITY
- 13.) RELATIONSHIP: Belong To Between Category and Product
 RELATION SCHEMA: BelongsTo(Product ID, Category ID)
 FOREIGN KEY IDENTIFIED:
 CATEGORY_ID UNIQUELY IDENTIFIES CATEGORY ENTITY
 PRODUCT_ID UNIQUELY IDENTIFIES PRODUCT ENTITY

14.) RELATIONSHIP: Stores between Product and Inventory RELATION SCHEMA: Stores(<u>Product ID</u>)

FOREIGN KEY IDENTIFIED:

PRODUCT_ID UNIQUELY IDENTIFIES PRODUCT ENTITY

- 15.) RELATIONSHIP: DeliveredBy between Order and Shipper RELATION SCHEMA: DeliveredBy(Order ID, Shipper ID)

 FOREIGN KEY IDENTIFIED:

 ORDER_ID UNIQUELY IDENTIFIES ORDER ENTITY

 SHIPPER_ID UNIQUELY IDENTIFIES SHIPPER ENTITY
- 16.) RELATIONSHIP: Supplies between Distributor and Product
 RELATION SCHEMA: Supplies(<u>Distributor ID</u>, <u>Product ID</u>)
 FOREIGN KEY IDENTIFIED:
 DISTRIBUTOR_ID UNIQUELY IDENTIFIES DISTRIBUTOR ENTITY
 PRODUCT_ID UNIQUELY IDENTIFIES PRODUCT ENTITY

17.) RELATIONSHIP: Gives between User and Feedback

RELATION SCHEMA: Gives(Feedback ID, User ID)

FOREIGN KEY IDENTIFIED:

FEEDBACK_ID UNIQUELY IDENTIFIES FEEDBACK ENTITY

USER_ID UNIQUELY IDENTIFIES USER ENTITY

18.) RELATIONSHIP: ConsistsOf between product and order

RELATION SCHEMA: ConsistsOf(Order ID, Product ID)

FOREIGN KEY IDENTIFIED:

ORDER_ID UNIQUELY IDENTIFIES ORDER ENTITY

PRODUCT_ID UNIQUELY IDENTIFIES PRODUCT ENTITY

19.) ENTITY: DISTRIBUTOR

RELATIONSHIP SCHEMA: Distributor (<u>Distributor ID</u>, Name, Address)

20.) MULTIVALUED ATTRIBUTE PHONE NUMBER IN DISTRIBUTOR:

RELATION SCHEMA: Phone_Number(<u>Distributor ID</u>, Phone Number)

RELATION SCHEMA GENERATED THROUGH SQL

