Initial DataBase

mysql> sel	lect * from Custom	er;												
Cust_ID	Cust_First_Name	Cust_Second	Name Cust_Pho	ne_Number C	ust_Amount_Spe	ent Cust	Address_Line_0)ne	Cust_Addr	ess_Line_Two	Cust_Pos	tal_Code		
2 3 4	Amy Bob Charlie David Emily	Smith Johnson Williams Brown Jones	8 7 6	9876543210 8765432109 7654321098 6543210987 5432109876	75 100 125	500 456			Apt 4 NULL NULL NULL Unit B		 	128345 234056 34567 450678 560789		
5 rows in	set (0.00 sec)													
mysql> sel	lect * from Employ	ee;												
+ Emp_ID	Emp_First_Name	Emp_Second_Nar	ne Emp_Salary	Emp_Amount_9	Sold Emp_Der	signation	Emp_Phone_Num	nber	Emp_Sex	Emp_Address	_Line_One	Emp_Addr	ess_Line_Two	Emp_Postal_Code
	+	+ Doe	+50000		+ 0000 Manager		1234567			123 Main St		Apt 4		123545
	Jane	Doe	40000		5000 Supervi		2345678			456 0ak Ave		NULL		238456
	Bob Alice	Smith Johnson	35000 30000		0000 Cashier 5000 Custodi		3456789 4567890			789 Elm St 12 Pine Rd		NULL NULL		345667 475678
		Williams	45000		0000 Custodi 0000 Securit		5678901			34 Maple Dr		Unit B		516789
	Emily	Brown	37500		5000 Securio 5000 Cashier		6789012			567 Cherry I		NULL		670890
	David	Jones	42500		0000 Cushici 0000 Supervi		7890123			890 Oak St		Suite 2		78901
++ 7 rows in	++ set (0.00 sec)						+		+					++
mysql> sel	lect * from Suppli	er;												
Supplier	r_ID Supplier_Fi	.rst_Name Supp	lier_Second_Nam	ne Supplier_N	Phone_Number	Supplier	 _Amount_Earnt	Sup	plier_Addr	ess_Line_One	Supplier	_Address_L	ine_Two Sup	oplier_Postal_Code
i	+ 1 Mark	 Wils	on		1234567890		10000	123	Main St		+ NULL		<u> </u>	123745
	2 Sarah	Thom	ias		2345678901		15000	456	Elm St		Apt 5			273456
	3 David	Lee			3456789012		20000	789	0ak Ave		NULL			345867
	4 Karen	Nguy	en		4567890123		25000	101	1 Maple Dr		NULL			459678
	5 Chris	Jone	:S		5678901234		30000	121	.3 Pine Rd		Unit C			506789

mysql> select * from Product;									
Product_]	[D	Product_N	Name		Price	Qty_Left	:		
i	1	iPhone 12	2		1000	10)		
1	2	Samsung (Galaxy S21		900	15	5		
1	3	Google Pi	ixel 5		800	12	2		
1	4	MacBook A	Air	1200] 8	3			
I	5	Dell XPS	13		1100	9)		
I	6	HP Specti	re x360		1000	11	L		
1	7	Sony Play		500	20)			
ĺ	8	Microsoft	Xbox Ser	ies X	500	18	3		
i	9	Nintendo	Switch		300	25	5		
] 1	L0	Bose Quie	35 II	350	36)			
] 1	11	Sony WH-1	1000XM4		400	28	3		
] 1	L2	250	35	5					
] 1	L3	200	46) [
j 1	L4	Sony WF-1	1000XM3		300	j 32	2 j		
j 1	L5	JBL Flip	5		100	50	j		
15 rows in									
Sale_ID	Sa	le_Date	Cust_ID	Emp_1	[D				
1	20	022-03-01	1		1				
2	20	22-04-15	2		2				
3	20	22-05-10	3		3				
4	20	22-06-21	4		4				
5	20	22-07-14	5		5				
6	20	22-08-06		6					
6 2022-08-06 1 6 7 2022-09-30 2 7									
++ 7 rows in set (0.00 sec)									

<pre>mysql> Select * from Sale_has_Product; ++</pre>										
Sale_ID	Product_ID	 Qty_Bought								
1	1 2	 2 1	- + 							
j 1 j	3	5	i							
2	4	3								
2	5	2								
2	6	1								
3	7	4	!							
3	8	2	!							
4	9	1	!							
4	10 11] 3 2								
5	12	2								
6	13	5	1							
6	14	3	i							
	15	2	i							
7	1	4	İ							
7	2	1								
7	3	2								
++ 18 rows in	set (0.01 sec	+ ^)	-+							
10 1000 111	361 (0101 36)									
mysql> Sele	ect * from Pu	rchase; 	+							
Purchase_	ID Purchase	e_Date Supp	olier_ID							
	1 2023–04-	-06	1							
j	2 2023–04-	-05 j	2							
	3 2023–04-	-04	3							
	4 2023-04-		4							
	5 2023–04-		5							
	6 2023–04-		1							
	7 2023–03-	-31	2							

<pre>mysql> Select * from Purchase_has_Product; +</pre>										
Purchase_ID 	Product_ID	Qty_Bought 								
1	1	5								
1	2	10								
2	2	5								
2	3	8								
3	4	3								
3	5	4								
4	6	7								
4	7	9								
5	8	6								
5	9	7								
6	10	12								
6	11	15								
7	12	10								
7	13	8								
++		++								
14 rows in set	(0.00 sec)									

Procedures and their Outputs(Affected tables Only)

1)InsertIntoCustomer Procedure

mysql> call insertIntoCustomer("Dhyey","Italiya",6353734576,"C-201","Aries Height",382350); Query OK, 1 row affected (0.01 sec) mysql> Select * from Customer; | Cust_ID | Cust_First_Name | Cust_Second_Name | Cust_Phone_Number | Cust_Amount_Spent | Cust_Address_Line_One | Cust_Address_Line_Two | Cust_Postal_Code 9876543210 123 Main Street Amy Smith 5000 Apt 4 128345 Bob Johnson 8765432109 7500 456 Oak Ave NULL 234056 Charlie 789 Elm St Williams 7654321098 34567 10000 NULL 6543210987 12 Pine Rd 450678 David Brown 12500 NULL Emilv 5432109876 15000 I 34 Maple Dr Unit B 560789 Jones Italiya 6353734576 C-201 Aries Height 382350 Dhyey 6 rows in set (0.00 sec)

2)InsertIntoProduct Procedure

```
mysql> call insertIntoProduct("Joint",250);
Query OK, 1 row affected (0.01 sec)
mysql> select * from Product;
                                           Price | Qty_Left
  Product_ID | Product_Name
           1 | iPhone 12
                                            1000
                                                          10
               Samsung Galaxy S21
                                             900
                                                          15
             | Google Pixel 5
                                             800
                                                          12
               MacBook Air
                                            1200
                                                           8
               Dell XPS 13
                                            1100
                                                           9
             | HP Spectre x360
                                            1000
                                                          11
             | Sony PlayStation 5
                                             500
                                                          20
               Microsoft Xbox Series X
                                             500
                                                          18
               Nintendo Switch
                                             300
                                                          25
             | Bose QuietComfort 35 II
                                             350
                                                          30
          11 | Sony WH-1000XM4
                                             400
                                                          28
             | Apple AirPods Pro
                                             250
                                                          35
               Samsung Galaxy Buds Pro
                                             200
                                                          40
               Sony WF-1000XM3
                                             300
                                                          32
               JBL Flip 5
          15
                                             100
                                                          50
               Joint
          16
                                             250
                                                           0
16 rows in set (0.00 sec)
```

3)InsertIntoEmployee Procedure

mysql> call insertIntoEmployee("DK","Bose",25,"Custodian",6969697788,"M","Delhi Bazaar","NCR",201011); Query OK, 1 row affected (0.01 sec)

mysql> select * from Employee;

Emp_ID	Emp_First_Name	Emp_Second_Name	Emp_Salary	Emp_Amount_Sold	Emp_Designation	Emp_Phone_Number	Emp_Sex	Emp_Address_Line_One	Emp_Address_Line_Two	Emp_Postal_Code
		Doe	50000		Manager	1234567890		123 Main Street	 Apt 4	123545
2	Jane	Doe	40000	75000	Supervisor	2345678901	F	456 0ak Ave	NULL	238456
3	Bob	Smith	35000	50000	Cashier	3456789012	M	789 Elm St	NULL	345667
4	Alice	Johnson	30000	25000	Custodian	4567890123	F	12 Pine Rd	NULL	475678
5	James	Williams	45000	80000	Security	5678901234	M	34 Maple Dr	Unit B	516789
6	Emily	Brown	37500	55000	Cashier	6789012345	F	567 Cherry Ln	NULL	670890
	David	Jones	42500	70000	Supervisor	7890123456	M	890 Oak St	Suite 2	78901
8	DK [Bose	25	0	Custodian	6969697788	M	Delhi Bazaar	NCR	201011
	+	+				+	+	+	+	+

4) Update Supplier Contact Procedure

mysql> call updateSupplierContact(5,9909006256);
Query OK, 1 row affected (0.01 sec)

mysql> Select * from Supplier;

						+	
Supplier_ID	Supplier_First_Name	Supplier_Second_Name	Supplier_Phone_Number	Supplier_Amount_Earnt	Supplier_Address_Line_One	Supplier_Address_Line_Two	Supplier_Postal_Code
1	Mark	Wilson	1234567890	10000	123 Main St	NULL	123745
2	Sarah	Thomas	2345678901	15000	456 Elm St	Apt 5	273456
3	David	Lee	3456789012	20000	789 Oak Ave	NULL	345867
4	Karen	Nguyen	4567890123	25000	1011 Maple Dr	NULL	459678
5	Chris	Jones	9909006256	30000	1213 Pine Rd	Unit C	506789
6 j	Rakshit	Aggarwal	8800896019	0	01082 ATS Advantage	Indirapuram	201014
·						÷	+

111 361 (0.01 361)

5)UpdateProductQuantity Procedure mysql> call updateProductQuantity(5,20);

Query OK, 1 row affected (0.00 sec)									
mysql> select	* from Product;								
Product_ID	Product_Name	Price	Qty_Left						
1	iPhone 12	1000	10						
2	Samsung Galaxy S21	900	15						
3	Google Pixel 5	800	12						
4	MacBook Air	1200	8						
5	Dell XPS 13	1100	20						
6	HP Spectre x360	1000	11						
7	Sony PlayStation 5	500	20						
8	Microsoft Xbox Series X	500	18						
9	Nintendo Switch	300	25						
10	Bose QuietComfort 35 II	350	30						
11	Sony WH-1000XM4	400	28						
12	Apple AirPods Pro	250	35						
13	Samsung Galaxy Buds Pro	200	40						
14	Sony WF-1000XM3	300	32						
15	JBL Flip 5	100	50						
16	Joint	250	0						
+	- (0 00 sec)	 	++						
to lows in set	. (0.00 SEC)								

6)UpdateJobPosition Procedure mysql> call updateJobPosition(1,"Supervisor"); Query OK, 1 row affected (0.00 sec)

mysql> Select * from Employee;

Emp_ID	Emp_First_Name	Emp_Second_Name	Emp_Salary	Emp_Amount_Sold	Emp_Designation	Emp_Phone_Number	Emp_Sex	Emp_Address_Line_One	Emp_Address_Line_Two	Emp_Postal_Code
2 3 4 5 6 7	Jane Bob Alice James Emily David	Doe Doe	50000 40000 35000 30000 45000 37500 42500	75000 50000 25000 80000 55000 70000	Supervisor Supervisor Cashier Custodian Security Cashier Supervisor Custodian	1234567890 2345678901 3456789012 4567890123 5678901234 6789012345 789012345 6969697788	F M F M F	123 Main Street 456 Oak Ave 789 Elm St 12 Pine Rd 34 Maple Dr 567 Cherry Ln 890 Oak St Delhi Bazaar	Apt 4 NULL NULL NULL Unit B NULL Suite 2 NCR	123545 238456 345667 475678 516789 678890 78901 201011

8 rows in set (0.00 sec)

7)InsertIntoSupplier Procedure

mysql> call insertIntoSupplier("Rakshit", "Aggarwal", 8800896019, "01082 ATS Advantage", "Indirapuram", 201014);
Query OK, 1 row affected (0.00 sec)

Supplier_ID	Supplier_First_Name	Supplier_Second_Name	Supplier_Phone_Number	Supplier_Amount_Earnt	Supplier_Address_Line_One	Supplier_Address_Line_Two	Supplier_Postal_Code
2 3 4 5	David Karen Chris	Wilson Thomas Lee Nguyen Jones Aggarwal	1234567890 2345678901 3456789012 4567890123 5678901234 8800896019	15000 20000 25000 30000	123 Main St 456 Elm St 789 Oak Ave 1011 Maple Dr 1213 Pine Rd 01082 ATS Advantage	NULL Apt 5 NULL NULL Unit C Indirapuram	123745 273456 345867 459678 506789 201014

6 rows in set (0.00 sec)

8)addPurchase Procedure

```
mysql> call addPurchase(3,'[1,3]','[5,3]');
Query OK, 6 rows affected (0.04 sec)
mysql> Select * from Product;
| Product_ID | Product_Name
                                         | Price
                                                 | Qty_Left
               iPhone 12
           1 |
                                            1000
                                                         15
             | Samsung Galaxy S21
           2
                                            900
                                                         15
           3 | Google Pixel 5
                                            800
                                                         15
           4 | MacBook Air
                                            1200
                                                          8
           5 | Dell XPS 13
                                            1100
                                                         20
           6 | HP Spectre x360
                                            1000
                                                         11
           7 | Sony PlayStation 5
                                            500
                                                         20
           8 | Microsoft Xbox Series X
                                            500
                                                         18
           9 | Nintendo Switch
                                            300
                                                         25
          10 | Bose QuietComfort 35 II
                                            350
                                                         30
          11 | Sony WH-1000XM4
                                            400
                                                         28
          12 | Apple AirPods Pro
                                                         35
                                            250
          13 | Samsung Galaxy Buds Pro
                                            200
                                                         40
          14
               Sony WF-1000XM3
                                            300
                                                         32 |
          15
               JBL Flip 5
                                            100
                                                         50 |
          16
               Joint
                                                          0 |
                                             250
```

Purchase_ID	Purchase_Date	Supplier_ID								
+ 1	 2023–04–06	1								
2	2023-04-05	2								
] 3	2023-04-04	3								
4	2023-04-03	4								
5	2023-04-02	5								
6	2023-04-01	1								
7	2023-03-31	2								
8	2023-04-10	3								
+	++	+								
8 rows in set	(0.01 sec)									

nysql> Select * from Purchase_has_Product;									
Purchase_ID	Product_ID	Qty_Bought 							
1	1	5	Ī						
1	2	10							
2	2	5							
2	3	8							
3	4	3							
3	5	4							
4	6	7							
4	7	9							
5	8	6							
5	9	7							
6	10	12							
6	11	15							
7	12	10							
7	13	8							
8	1	5							
8	3	3							
++		 	+						
16 rows in set	(0.00 sec)								

mysql> Select *	k from Supplier;						
Supplier_ID	Supplier_First_Name	Supplier_Second_Name	Supplier_Phone_Number	Supplier_Amount_Earnt	Supplier_Address_Line_One	Supplier_Address_Line_Two	Supplier_Postal_Code
1	Mark	Wilson	1234567890	17400	123 Main St	NULL	123745
	Sarah	Thomas	2345678901	22400	456 Elm St	Apt 5	273456
	David	Lee	3456789012	27400	789 Oak Ave	NULL	345867
4	Karen	Nguyen	4567890123	32400	1011 Maple Dr	NULL	459678
	Chris	Jones	9909006256	37400	1213 Pine Rd	Unit C	506789
6	Rakshit	Aggarwal	8800896019	7400	01082 ATS Advantage	Indirapuram	201014
+			+	·	+	+	+

9)addSale Procedure

```
Query OK, 1 row affected (0.01 sec)
mysql> Select * from Product;
| Product_ID | Product_Name
                                            Price | Qty_Left |
           1 | iPhone 12
                                              1000
                                                            15
           2
              | Samsung Galaxy S21
                                               900
                                                            15
           3 | Google Pixel 5
                                               800
                                                            11
           4 |
               MacBook Air
                                                             8
                                              1200
                                                            20
           5 | Dell XPS 13
                                              1100
           6 | HP Spectre x360
                                              1000
                                                             7
           7 |
               Sony PlayStation 5
                                               500
                                                            20
           8 | Microsoft Xbox Series X
                                               500
                                                            18
           9 | Nintendo Switch
                                               300
                                                            25
           10 |
                Bose QuietComfort 35 II
                                               350
                                                            30
               Sony WH-1000XM4
           11 |
                                               400
                                                            28
           12 |
               Apple AirPods Pro
                                               250
                                                            35
                                               200
                                                            40
          13 | Samsung Galaxy Buds Pro
                Sony WF-1000XM3
                                               300
                                                            32
           14
                JBL Flip 5
                                               100
           15
                                                            50
               Joint
                                               250
                                                             0
           16 |
16 rows in set (0.00 sec)
mysql> Select * from Sale_has_Product;
| Sale_ID | Product_ID | Qty_Bought
        1
                       1
                                     2
        1
                       2
                                     1
        1
                       3
                                     5
        2
                      4
                                     3
        2
                       5
                                     2
        2
                       6
        3
                       7
        3
                      8
        4
                      9
                                     1
        4
                     10
                                     3
        5
                     11
        5
                     12
                                     1
        6
                                     5
                     13
        6
                     14
                                     3
                     15
                                     2
        6
        7
                      1
        7
                       2
                                     1
        7
                      3
                                     2
        9
                      3
                                     2
        9
                       6
                                     2
       10
                       3
                                     2
       10
                       6
                                     2
```

mysql> call addSale(6,'[3,6]','[2,2]',3);

nysql> Sele	ect * from Customer	; 					
Cust_ID	Cust_First_Name	Cust_Second_Name	Cust_Phone_Number	Cust_Amount_Spent	Cust_Address_Line_One	Cust_Address_Line_Two	Cust_Postal_Code
1	Amy	Smith	9876543210	5000	123 Main Street	Apt 4	128345
2	Bob	Johnson	8765432109	7500	456 0ak Ave	NULL	234056
] 3	Charlie	Williams	7654321098	10000	789 Elm St	NULL	34567
4	David	Brown	6543210987	12500	12 Pine Rd	NULL	450678
5	Emily	Jones	5432109876	15000	34 Maple Dr	Unit B	560789
6	Dhyey	Italiya	6353734576	3600	C-201	Aries Height	382350

mysql> Select * from Employee;

Emp_ID	Emp_First_Name	Emp_Second_Name	Emp_Salary	Emp_Amount_Sold	Emp_Designation	Emp_Phone_Number	Emp_Sex	Emp_Address_Line_One	Emp_Address_Line_Two	Emp_Postal_Code
3 4 5 6	Jane Bob Alice James	Doe Doe Smith Johnson Williams Brown Jones Bose	50000 40000 35000 30000 45000 37500 42500	75000 53600 25000 80000 55000 70000	Supervisor Supervisor Cashier Custodian Security Cashier Supervisor Custodian	12345678901 23456789012 3456789012 4567890123 5678901234 6789012345 7890123456 6969697788	F M F M F M	789 Elm St 12 Pine Rd 34 Maple Dr	Apt 4 NULL NULL NULL Unit B NULL Unit B NULL Suite 2 NCR	123545 238456 345667 475678 516789 670890 78901

8 rows in set (0.00 sec)

Sale_ID		Sale_Date		Cust_ID	Emp_ID	
1	Ĭ	2022-03-01	Ī	1	1	Ĭ
2		2022-04-15		2	2	
3		2022-05-10		3	3	
4		2022-06-21		4	4	
5		2022-07-14			5	
6		2022-08-06			6	
7		2022-09-30		2	7	
8		2023-04-10			3	
9		2023-04-10			3	
10		2023-04-10			3	
+	+		+		+	+

10 rows in set (0.00 sec)

10) DeleteSale Procedure mysql> call deleteSale(7); Query OK, 1 row affected (0.02 sec)

Sale_ID	+ Sale_Date	Cust_ID	Emp_ID
1	 2022-03-01	1	1
2	2022-04-15		2
	2022-05-10		3
4	2022-06-21		4
	2022-07-14		5
	2022-08-06		6
8	2023-04-10		3
	2023-04-10		3
10	2023-04-10		3
	+	+	+

								4		4
Emp_ID	Emp_First_Name	Emp_Second_Name	Emp_Salary	Emp_Amount_Sold	Emp_Designation	Emp_Phone_Number	Emp_Sex	Emp_Address_Line_One	Emp_Address_Line_Two	Emp_Postal_Code
1	John	Doe	50000	100000	Supervisor	1234567890	M	123 Main Street	 Apt 4	123545
2	Jane	Doe	40000	75000	Supervisor	2345678901	F	456 0ak Ave	NULL	238456
3	Bob	Smith	35000	53600	Cashier	3456789012	M	789 Elm St	NULL	345667
4	Alice	Johnson	30000	25000	Custodian	4567890123	į F	12 Pine Rd	NULL	475678
5	James	Williams	45000	80000	Security	5678901234	M	34 Maple Dr	Unit B	516789
6 j	Emily i	Brown	37500	55000	Cashier	6789012345	İF	567 Cherry Ln	NULL	670890
	David	Jones	42500	63500	Supervisor	7890123456	j M	890 Oak St	Suite 2	78901
8	DK j	Bose	25	0	Custodian	6969697788	j M	Delhi Bazaar	NCR	201011

+------8 rows in set (0.00 sec)

mysql> Select * from Customer;

+	Name Cust_Second_Name	Cust_Phone_Number	Cust_Amount_Spent	Cust_Address_Line_One	+ Cust_Address_Line_Two	+ Cust_Postal_Code
1 Amy 2 Bob 3 Charlie 4 David 5 Emily 6 Dhyey	Smith Johnson Williams Brown Jones Italiya	9876543210 8765432109 7654321098 6543210987 5432109876 6353734576	1000 10000 12500 15000	123 Main Street 456 Oak Ave 789 Elm St 12 Pine Rd 34 Maple Dr C-201	Apt 4 NULL NULL NULL Unit B Aries Height	128345 234956 34567 450678 560789 382350

6 rows in set (0.00 sec)

mysql> Sele +	ect * from Sa	le_has_Product
Sale_ID	Product_ID	Qty_Bought
1	1	2
1	2	1
1	3	5
2	4	3
2	5	2
2	6	1
3	7	4
3	8	2
4	9	1
4	10	3
5	11	2
5	12	1
6	13	5
6	14	3
6	15	2
9	3	2
9	6	2
10	3	2
10	6	2

mysql> Select * from Product;

+ Product_ID +	Product_Name	Price	 Qty_Left
1	iPhone 12	1000	11
2	Samsung Galaxy S21	900	14
3	Google Pixel 5	800	9
4	MacBook Air	1200	8
5	Dell XPS 13	1100	20
[6	HP Spectre x360	1000	7
7	Sony PlayStation 5	500	20
8	Microsoft Xbox Series X	500	18
9	Nintendo Switch	300	25
10	Bose QuietComfort 35 II	350	30
11	Sony WH-1000XM4	400	28
12	Apple AirPods Pro	250	35
13	Samsung Galaxy Buds Pro	200	40
14	Sony WF-1000XM3	300	32
15	JBL Flip 5	100	50
16	Joint	250	0
	/0.01.222		

16 rows in set (0.01 sec)