SUPPLY CHAIN MANAGEMENT SYSTEM

A Project Report

Submitted To

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ABSTRACT

Supply chain management (SCM) is the centralized management of the flow of goods and services and includes all processes that transform raw materials into final products . By managing the supply chain, companies can cut excess costs and deliver products to the consumer faster.We all know that being new to the field of business and it's not easy to run it without the help of computer. This system will minimize the unexpected problems during their monitoring, this system contains the quantity of the products added and deducted everyday so that the owner can monitor the remaining supplies and how many has been sold, and how many profit they gain for each product.

INTRODUCTION

According to the abstract, our main intention is to make the whole database system into some sort of subsystem. They are defined as the attributes of the entities in the database. The main advantage relies on the division of entities into the attributes and if they are interconnected with relationships. So for doing this we've selected some of the entities as: 'Employee', 'Product', 'Customer' and 'Supplier. This entity can contain two types of keys. They are the primary key and the foreign key. In this project our 'Employees' is the owner and will control or monitor the activity of 'Transaction'. The 'Employee' will serve the 'Customer' as well.

This will get the personal information of the client every time they have transaction so that they can verify the identity of the clients including it's Name, Location, Id number. Also in this system includes the information of the employees and their hired dates, salary and employee Id so that the owner can monitor all employees on duty and to avoid a illegal transaction between employee and client or between both employee.

Entity Relationship Diagram

Entity relationship model is used to represent the conceptual schema of the database. The important method of entity relationship model is entity relationship model in which set of entities are represented by relation in a graphical form.

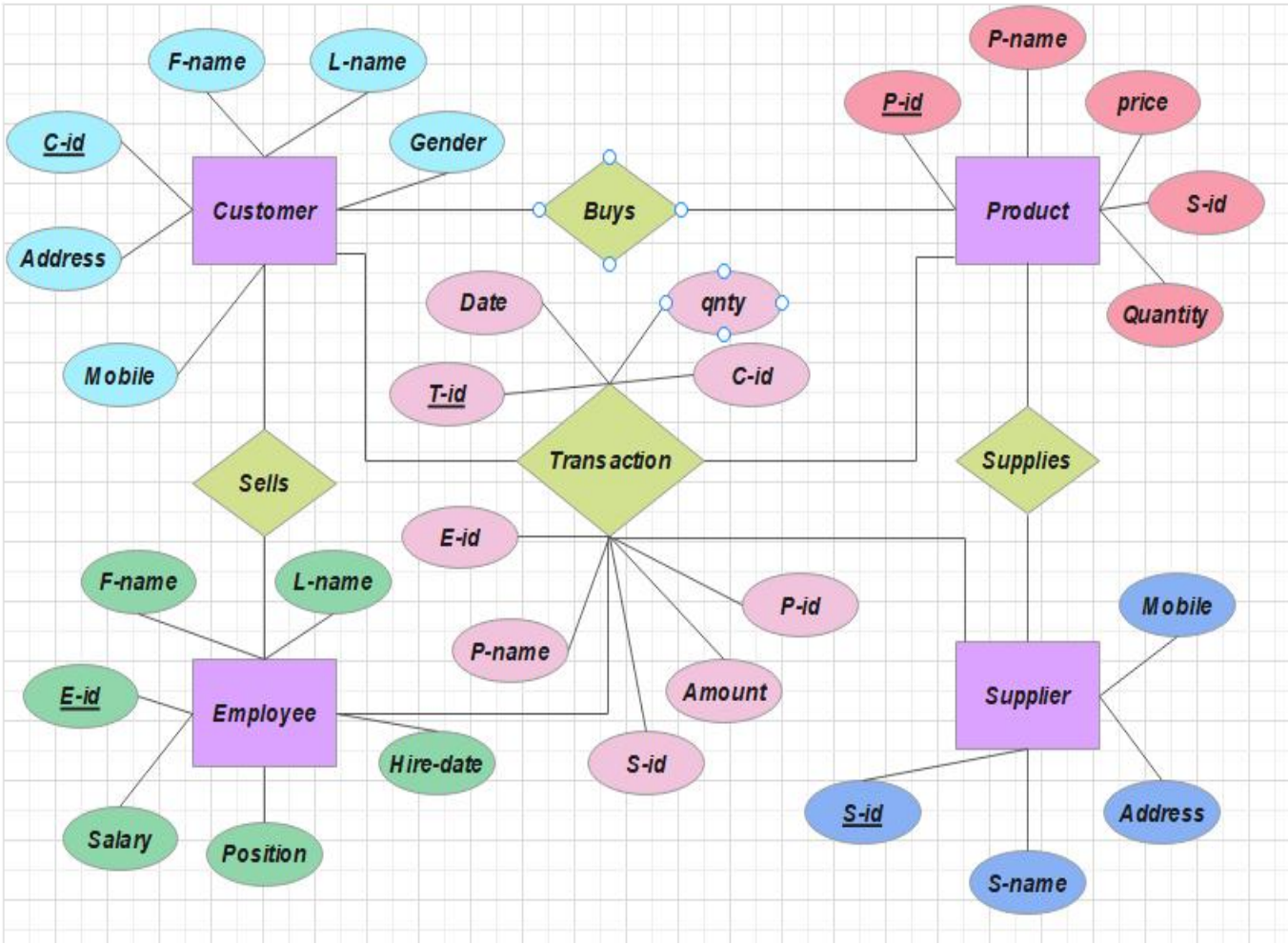


Figure : Entity Relationship Diagram

SCHEMA

CUSTOMER=> (C-ID, F-NAME, L-NAME, ADDRESS, MOBILE, GENDER)

EMPLOYEE=> (E-ID, F-NAME, L-NAME, SALARY, POSITION, HIRE-DATE)

PRODUCT=> (P-ID, P-NAME, UNIT-PRICE, QUANTITY, S-ID)

SUPPLIER=> (S-ID, S-NAME, ADDRESS, QUANTITY, MOBILE)

TRANSACTION=> (T-ID, E-ID, S-ID, P-ID, C-ID, T-DATE, P-NAME, AMOUNT, QUANTITY)

DDL STATEMENTS AND TABLES

CUSTOMER

```
CREATE TABLE  "CUSTOMER"
  (        "C-ID" NUMBER NOT NULL ENABLE,
           "F-NAME" VARCHAR2(50),
           "L-NAME" VARCHAR2(50),
           "ADDRESS" VARCHAR2(50),
           "MOBILE" VARCHAR2(20) NOT NULL ENABLE,
           "GENDER" VARCHAR2(10),
            CONSTRAINT "CUSTOMER_PK" PRIMARY KEY ("C-ID") ENABLE
  )
```

EDIT	C-ID	F-NAME	L-NAME	ADDRESS	MOBILE	GENDER
	1	Hafsa	Arwaa	Dhaka	01754777300	F
	4	Mostafa	Zawad	Hatia	01754777303	M
	8	Sadia	Haider	Barisal	01754777307	F
	10	Ataullah	Haider	Barisal	01754777309	M
	2	Abeda	Sultana	Dhaka	01754777301	F
	3	Alamgir	Hossain	Cumilla	01754777302	M
	6	Rahima	Akter	Chittagong	01754777305	F
	5	Mostafa	Zeebran	Dhaka	01754777304	M
	7	Ruhul Amin	Haider	Chittagong	01754777306	M
	9	Rahina	Akter	Chittagong	01754777308	F
					row(s) 1 - 10 of 10	

Figure : Customer Table

EMPLOYEE

```
CREATE TABLE  "EMPLOYEE"
  (        "E-ID" NUMBER NOT NULL ENABLE,
           "F-NAME" VARCHAR2(30),
           "L-NAME" VARCHAR2(30),
           "SALARY" NUMBER,
           "POSITION" VARCHAR2(50),
           "HIRE-DATE" DATE,
            CONSTRAINT "EMPLOYEE_PK" PRIMARY KEY ("E-ID") ENABLE
  )
```

EDIT	E-ID	F-NAME	L-NAME	SALARY	POSITION	HIRE-DATE
	11	Sanjida	Aziz	30000	Supply Production Leader	01-JAN-22
	28	Sanzida	Hossain	20000	Distribution Manager	04-APR-21
	39	Sadia	Hasan	20000	Distribution Manager	01-FEB-22
	1	Kanita	Haider	50000	Manager	01-JAN-21
	31	Jesmin	Nipa	20000	Distribution Manager	01-JAN-22
	2	Farjana	Laila	20000	Distribution Manager	01-MAR-21
						row(s) 1 - 6 of 6

Figure : Employee Table

PRODUCT

```
CREATE TABLE  "PRODUCT"
 (        "P-ID" NUMBER NOT NULL ENABLE,
          "P-NAME" VARCHAR2(50),
          "UNIT-PRICE" NUMBER NOT NULL ENABLE,
          "QUANTITY" NUMBER,
          "S-ID" NUMBER NOT NULL ENABLE,
           CONSTRAINT "PRODUCT_PK" PRIMARY KEY ("P-ID") ENABLE,
           CONSTRAINT "PRODUCT_FK2" FOREIGN KEY ("S-ID")
            REFERENCES  "SUPPLIER" ("S-ID") ENABLE
 )
```

EDIT	P-ID	P-NAME	UNIT-PRICE	QUANTITY	S-ID
	4	lipstick	200	200	4
	5	Multani Pack	50	100	5
	10	Foundation	1050	20	6
	11	Sunscreen	1300	150	7
	12	Concealer	400	250	7
	2	Facewash	550	100	1
	3	Sunscreen	1400	60	1
	6	Mehedi Pack	50	80	5
	7	Shampoo	600	120	2
	1	Mosturiser	800	50	1
	8	Serum	990	30	8
	9	Facewash	290	50	3

row(s) 1 - 12 of 12

Figure : Product Table

SUPPLIER

```
CREATE TABLE  "SUPPLIER"
  (         "S-ID" NUMBER NOT NULL ENABLE,
            "S-NAME" VARCHAR2(50),
            "ADDRESS" VARCHAR2(100),
            "MOBILE" VARCHAR2(20),
             CONSTRAINT "SUPPLIER_PK" PRIMARY KEY ("S-ID") ENABLE
  )
```

EDIT	S-ID	S-NAME	ADDRESS	MOBILE
	4	Lafz	Bangladesh	01818900899
	5	Aarong	Bangladesh	01754777200
	1	Neutrogena	USA	+14845219730
	2	Cerave	USA	+14845219731
	8	SKINFOOD	Korea	+14845219736
	3	SkinPro	Bangladesh	01818900800
	6	Marvis	Italy	+14845219732
	7	MISSHA	Korea	+14845219733
			row(s) 1 - 8 of 8	

Figure : Supplier Table

TRANSACTION

```
CREATE TABLE  "TRANSACTION"
  (        "T-ID" NUMBER NOT NULL ENABLE,
           "E-ID" NUMBER,
           "C-ID" NUMBER NOT NULL ENABLE,
           "P-ID" NUMBER NOT NULL ENABLE,
           "S-ID" NUMBER,
           "T-DATE" DATE,
           "P-NAME" VARCHAR2(50),
           "AMOUNT" NUMBER,
           "QUANTITY" NUMBER,
            CONSTRAINT "TRANSACTION_PK" PRIMARY KEY ("T-ID") ENABLE,
            CONSTRAINT "TRANSACTION_FK" FOREIGN KEY ("E-ID")
             REFERENCES  "EMPLOYEE" ("E-ID") ENABLE,
            CONSTRAINT "TRANSACTION_FK2" FOREIGN KEY ("C-ID")
             REFERENCES  "CUSTOMER" ("C-ID") ENABLE,
            CONSTRAINT "TRANSACTION_FK3" FOREIGN KEY ("P-ID")
             REFERENCES  "PRODUCT" ("P-ID") ENABLE,
            CONSTRAINT "TRANSACTION_FK4" FOREIGN KEY ("S-ID")
             REFERENCES  "SUPPLIER" ("S-ID") ENABLE
  )
```

EDIT	T-ID	E-ID	C-ID	P-ID	S-ID	T-DATE	P-NAME	AMOUNT	QUANTITY
	3	2	5	6	5	02-JAN-22	Mehedi Pack	500	10
	5	28	2	7	2	05-JUN-21	Shampoo	6000	10
	1	2	1	3	1	01-MAR-21	Sunscreen	7000	5
	6	39	9	8	8	01-MAY-21	Serum	990	1
	7	11	6	9	3	04-APR-22	Facewash	4350	15
	10	2	4	5	4	17-JAN-22	Multani Pack	1000	20
	2	2	5	6	5	02-JAN-22	Mehedi Pack	50	1
	4	31	10	10	6	21-MAY-22	Foundation	1050	1
	8	28	3	12	7	14-JAN-22	Concealer	12000	30
	9	11	1	4	4	27-JAN-22	lipstick	10000	50

row(s) 1 - 10 of 10

Figure : Transaction Table

SEARCHING DATA FROM INDIVIDUAL TABLE

1. Find employee information about 'Kanita Haider'.

```
SELECT*

FROM EMPLOYEE

WHERE f_name='Kanita' AND l_name='Haider';
```

E_ID	F_NAME	L_NAME	SALARY	POSITION	HIRE_DATE
1	Kanita	Haider	50000	Manager	01-JAN-21

1 rows returned in 0.00 seconds CSV Export

2. Find which Product_id is 11.

```
SELECT*

FROM PRODUCT

WHERE P_ID=11;
```

P_ID	P_NAME	UNIT_PRICE	QUANTITY	S_ID
11	Sunscreen	1300	150	7

1 rows returned in 0.00 seconds CSV Export

3. Find all the foreign suppliers.

```
SELECT*

FROM SUPPLIER

WHERE ADDRESS!='Bangladesh';
```

S_ID	S_NAME	ADDRESS	MOBILE
1	Neutrogena	USA	+14845219730
2	Cerave	USA	+14845219731
8	SKINFOOD	Korea	+14845219736
6	Marvis	Italy	+14845219732
7	MISSHA	Korea	+14845219733

5 rows returned in 0.01 seconds CSV Export

4. Show information about all the Male customer.

```
SELECT*
FROM CUSTOMER
WHERE GENDER='M';
```

C_ID	F_NAME	L_NAME	ADDRESS	MOBILE	GENDER
4	Mostafa	Zawad	Hatia	01754777303	M
10	Ataullah	Haider	Barisal	01754777309	M
3	Alamgir	Hossain	Cumilla	01754777302	M
5	Mostafa	Zeebran	Dhaka	01754777304	M
7	Ruhul Amin	Haider	Chittagong	01754777306	M

5 rows returned in 0.00 seconds CSV Export

5. Show all the Transaction Above 5000 tk.

```
SELECT*
FROM TRANSACTION
WHERE AMOUNT>5000
ORDER BY  T_ID;
```

T_ID	E_ID	C_ID	P_ID	S_ID	T_DATE	P_NAME	AMOUNT	QUANTITY
1	2	1	3	1	01-MAR-21	Sunscreen	7000	5
5	28	2	7	2	05-JUN-21	Shampoo	6000	10
8	28	3	12	7	14-JAN-22	Concealer	12000	30
9	11	1	4	4	27-JAN-22	lipstick	10000	50

4 rows returned in 0.02 seconds CSV Export

6. Find the total sale of 2022.

```
SELECT SUM(Amount) Total_Sale_of_2022
FROM TRANSACTION
WHERE EXTRACT(YEAR FROM t_date) = 2022;
```

TOTAL_SALE_OF_2022
28950

7. Find the Maximum Salary.

```
SELECT MAX(SALARY)
FROM EMPLOYEE;
```

MAX(SALARY)
50000

1 rows returned in 0.00 seconds

8. Show all the product Price in Descending Order.

```
SELECT*
FROM PRODUCT
ORDER BY UNIT_PRICE DESC;
```

P_ID	P_NAME	UNIT_PRICE	QUANTITY	S_ID
3	Sunscreen	1400	60	1
11	Sunscreen	1300	150	7
10	Foundation	1050	20	6
8	Serum	990	30	8
1	Mosturiser	800	50	1
7	Shampoo	600	120	2
2	Facewash	550	100	1
12	Concealer	400	250	7
9	Facewash	290	50	3
4	lipstick	200	200	4

More than 10 rows available. Increase rows selector to view more rows.

9. Find the employee id and mobile no whose name starts with 'S'

```
SELECT e_id,f_name ,l_name,Position

FROM EMPLOYEE

WHERE f_name LIKE 'S%';
```

E_ID	F_NAME	L_NAME	POSITION
11	Sanjida	Aziz	Supply Production Leader
28	Sanzida	Hossain	Distribution Manager
39	Sadia	Hasan	Distribution Manager

3 rows returned in 0.00 seconds

10. Show all the transaction of 2021.

```
SELECT*

FROM TRANSACTION

WHERE T_DATE LIKE '%21%';
```

T_ID	E_ID	C_ID	P_ID	S_ID	T_DATE	P_NAME	AMOUNT	QUANTITY
5	28	2	7	2	05-JUN-21	Shampoo	6000	10
1	2	1	3	1	01-MAR-21	Sunscreen	7000	5
6	39	9	8	8	01-MAY-21	Serum	990	1
4	31	10	10	6	21-MAY-22	Foundation	1050	1

4 rows returned in 0.00 seconds

SEARCHING DATA FROM MULTIPLE TABLE

1. List the Supplier id and product Supplied by them.

```
SELECT*

FROM SUPPLIER JOIN PRODUCT USING (s_id)

ORDER BY s_id ;
```

S_ID	S_NAME	ADDRESS	MOBILE	P_ID	P_NAME	UNIT_PRICE	QUANTITY
1	Neutrogena	USA	+14845219730	2	Facewash	550	100
1	Neutrogena	USA	+14845219730	1	Mosturiser	800	50
1	Neutrogena	USA	+14845219730	3	Sunscreen	1400	60
2	Cerave	USA	+14845219731	7	Shampoo	600	120
3	SkinPro	Bangladesh	01818900800	9	Facewash	290	50
4	Lafz	Bangladesh	01818900899	4	lipstick	200	200
5	Aarong	Bangladesh	01754777200	6	Mehedi Pack	50	80
5	Aarong	Bangladesh	01754777200	5	Multani Pack	50	100
6	Marvis	Italy	+14845219732	10	Foundation	1050	20
7	MISSHA	Korea	+14845219733	11	Sunscreen	1300	150
7	MISSHA	Korea	+14845219733	12	Concealer	400	250
8	SKINFOOD	Korea	+14845219736	8	Serum	990	30

2. List the employee id who sells product and show customer name , employee name.

```
SELECT CUSTOMER.F_NAME||' '||CUSTOMER.L_NAME "Customer Name",
EMPLOYEE.e_id, EMPLOYEE.F_NAME Employee, TRANSACTION.p_name

FROM TRANSACTION

JOIN CUSTOMER

 ON CUSTOMER.c_id = TRANSACTION.c_id

JOIN EMPLOYEE
```

ON EMPLOYEE.e_id = TRANSACTION.e_id

ORDER BY EMPLOYEE.e_id;

Customer Name	E_ID	EMPLOYEE	P_NAME
Mostafa Zeebran	2	Farjana	Mehedi Pack
Mostafa Zeebran	2	Farjana	Mehedi Pack
Hafsa Arwaa	2	Farjana	Sunscreen
Mostafa Zawad	2	Farjana	Multani Pack
Hafsa Arwaa	11	Sanjida	lipstick
Rahima Akter	11	Sanjida	Facewash
Abeda Sultana	28	Sanzida	Shampoo
Alamgir Hossain	28	Sanzida	Concealer
Ataullah Haider	31	Jesmin	Foundation
Rahina Akter	39	Sadia	Serum

10 rows returned in 0.07 seconds CSV Export

3. Find information about the Suppliers who sales 'Facewash';

SELECT*

FROM SUPPLIER NATURAL JOIN PRODUCT

WHERE s_name='Neutrogena'

ORDER BY s_id ;

S_ID	S_NAME	ADDRESS	MOBILE	P_ID	P_NAME	UNIT_PRICE	QUANTITY
1	Neutrogena	USA	+14845219730	2	Facewash	550	100
1	Neutrogena	USA	+14845219730	1	Mosturiser	800	50
1	Neutrogena	USA	+14845219730	3	Sunscreen	1400	60

3 rows returned in 0.00 seconds CSV Export

4. Customer name 'Hafsa' is buying product whose are details shown.

```
SELECT  CUSTOMER.c_id ,CUSTOMER.F_NAME||' '||CUSTOMER.L_NAME
"Customer Name", EMPLOYEE.F_NAME Employee,
TRANSACTION.p_name,CUSTOMER.address,CUSTOMER.mobile

FROM TRANSACTION

JOIN CUSTOMER

 ON CUSTOMER.c_id = TRANSACTION.c_id

JOIN EMPLOYEE

 ON EMPLOYEE.e_id = TRANSACTION.e_id

WHERE CUSTOMER.f_name='Hafsa'

ORDER BY CUSTOMER.c_id;
```

C_ID	Customer Name	EMPLOYEE	P_NAME	ADDRESS	MOBILE
1	Hafsa Arwaa	Sanjida	lipstick	Dhaka	01754777300
1	Hafsa Arwaa	Farjana	Sunscreen	Dhaka	01754777300

5. Showing Transaction and product all information .

```
SELECT *

FROM TRANSACTION t  LEFT JOIN  product  p

ON t.p_id = p.p_id
```

S_ID	T_DATE	P_NAME	AMOUNT	QUANTITY	P_ID	P_NAME	UNIT_PRICE	QUANTITY
5	02-JAN-22	Mehedi Pack	500	10	6	Mehedi Pack	50	80
2	05-JUN-21	Shampoo	6000	10	7	Shampoo	600	120
1	01-MAR-21	Sunscreen	7000	5	3	Sunscreen	1400	60
8	01-MAY-21	Serum	990	1	8	Serum	990	30
3	04-APR-22	Facewash	4350	15	9	Facewash	290	50
4	17-JAN-22	Multani Pack	1000	20	5	Multani Pack	50	100
5	02-JAN-22	Mehedi Pack	50	1	6	Mehedi Pack	50	80
6	21-MAY-22	Foundation	1050	1	10	Foundation	1050	20
7	14-JAN-22	Concealer	12000	30	12	Concealer	400	250
4	27-JAN-22	lipstick	10000	50	4	lipstick	200	200

nds CSV Export

SUB-QUERIES

1. Find who earn same salary as employee id 02.

```
SELECT*
FROM employee
WHERE salary=( SELECT salary
FROM employee
WHERE e_id=2);
```

E_ID	F_NAME	L_NAME	SALARY	POSITION	HIRE_DATE
28	Sanzida	Hossain	20000	Distribution Manager	04-APR-21
39	Sadia	Hasan	20000	Distribution Manager	01-FEB-22
31	Jesmin	Nipa	20000	Distribution Manager	01-JAN-22
2	Farjana	Laila	20000	Distribution Manager	01-MAR-21

2. Find which product price greater product id 07.

```
SELECT*
FROM product
WHERE unit_price>( SELECT unit_price
FROM product
WHERE p_id=7);
```

P_ID	P_NAME	UNIT_PRICE	QUANTITY	S_ID
10	Foundation	1050	20	6
11	Sunscreen	1300	150	7
3	Sunscreen	1400	60	1
1	Mosturiser	800	50	1
8	Serum	990	30	8

5 rows returned in 0.00 seconds CSV Export

3. Find all product price where supplier id = 07.

```
SELECT *
FROM PRODUCT
WHERE s_id In (SELECT s_id
FROM PRODUCT
WHERE s_id = 7);
```

P_ID	P_NAME	UNIT_PRICE	QUANTITY	S_ID
12	Concealer	400	250	7
11	Sunscreen	1300	150	7

2 rows returned in 0.00 seconds CSV Export

4. Show employees who earn more than the average salary.

```
SELECT e_id, f_name, salary
FROM employee
WHERE salary > (select avg(salary)
from employee)
ORDER by salary;
```

E_ID	F_NAME	SALARY
11	Sanjida	30000
1	Kanita	50000

2 rows returned in 0.00 seconds

5. Show information about customer who are from chittagong.

```
SELECT *
FROM CUSTOMER
WHERE c_id IN (SELECT c_id
FROM CUSTOMER
WHERE address= 'Chittagong');
```

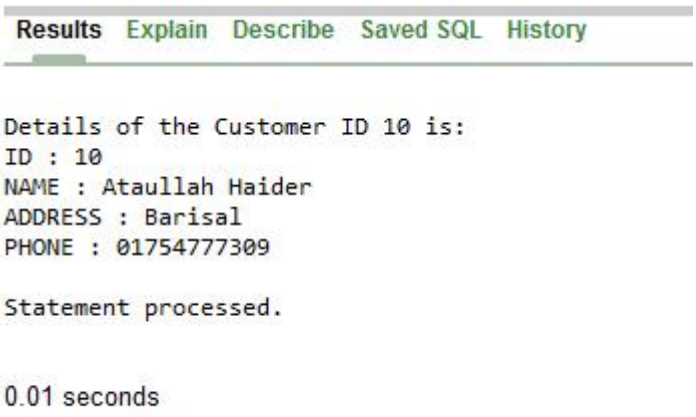
C_ID	F_NAME	L_NAME	ADDRESS	MOBILE	GENDER
6	Rahima	Akter	Chittagong	01754777305	F
7	Ruhul Amin	Haider	Chittagong	01754777306	M
9	Rahina	Akter	Chittagong	01754777308	F

3 rows returned in 0.00 seconds CSV Export

QUERIES WITH PL/SQL

1. Show the details about Customer id 10.

```
DECLARE
Cid CUSTOMER.C_ID%type;
Cname CUSTOMER.F_NAME%type;
Cname2 CUSTOMER.L_NAME%type;
CAddress CUSTOMER.ADDRESS%type;
Cphone CUSTOMER.mobile%type;
BEGIN
SELECT C_ID, F_NAME,L_NAME,
ADDRESS,MOBILE INTO Cid,Cname,Cname2,CAddress, cphone
FROM CUSTOMER
WHERE c_id =10;
dbms_output.put_line('Details of the Customer ID 10 is: ');
dbms_output.put_line('ID : '|| cid);
dbms_output.put_line('NAME : '|| Cname ||' '|| cname2);
dbms_output.put_line('ADDRESS : '|| caddress);
dbms_output.put_line('PHONE : '|| cphone);
END;
```



2. Show details of all the Customer.

```
DECLARE
cu_record customer %rowtype;
cursor cu IS
SELECT*
FROM customer;
BEGIN
OPEN cu;
dbms_output.put_line('Details of all customer: ');
LOOP
FETCH cu INTO cu_record;
EXIT WHEN cu%notfound;
dbms_output.put_line('ID : '|| cu_record.c_id||CHR(10)
||' NAME : '|| cu_record.f_name||' '||cu_record.l_name ||CHR(10)
||' ADDRESS : '||cu_record.address||CHR(10)
||' PHONE :'|| cu_record.mobile);
```

```
END LOOP;

CLOSE cu;

END;
```

Results Explain Describe Saved SQL History

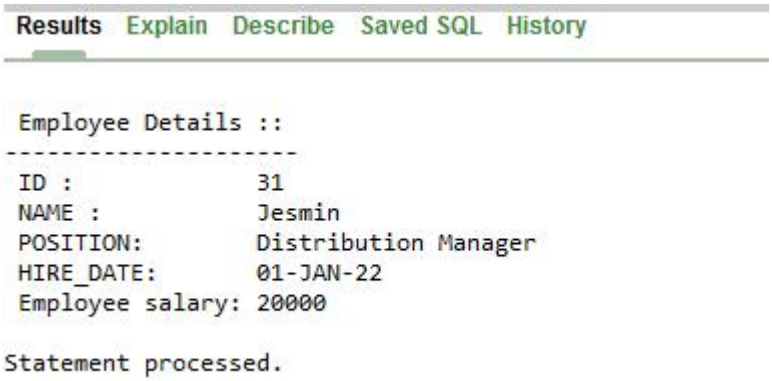
```
Details of all customer:
ID : 1
 NAME : Hafsa Arwaa
 ADDRESS : Dhaka
 PHONE :01754777300
ID : 4
 NAME : Mostafa Zawad
 ADDRESS : Hatia
 PHONE :01754777303
ID : 8
 NAME : Sadia Haider
 ADDRESS : Barisal
 PHONE :01754777307
ID : 10
 NAME : Ataullah Haider
 ADDRESS : Barisal
 PHONE :01754777309
ID : 2
 NAME : Abeda Sultana
 ADDRESS : Dhaka
 PHONE :01754777301
ID : 3
 NAME : Alamgir Hossain
 ADDRESS : Cumilla
 PHONE :01754777302
ID : 6
 NAME : Rahima Akter
 ADDRESS : Chittagong
 PHONE :01754777305
ID : 5
 NAME : Mostafa Zeebran
 ADDRESS : Dhaka
 PHONE :01754777304
ID : 7
 NAME : Ruhul Amin Haider
 ADDRESS : Chittagong
 PHONE :01754777306
```

3. You given a employee id ,if employee id 11 and salary is 20000 up then show the details.

```
DECLARE

employee_id employee.e_id%type;

e_name employee.f_name%type;

e_position employee.position%type;

h_date employee.hire_date%type;

e_salary employee.salary%type;

BEGIN

SELECT e_id, f_name, position, hire_date,salary INTO employee_id, e_name,
e_position,h_date,e_salary

FROM employee

WHERE e_id =:input;


IF (employee_id=31) THEN

if (e_salary>10000) THEN

dbms_output.put_line(' Employee Details :: ');

dbms_output.put_line('---------------------- ');

dbms_output.put_line(' ID :            '|| employee_id);

dbms_output.put_line(' NAME :          '|| e_name);

dbms_output.put_line(' POSITION:       '|| e_position);

dbms_output.put_line(' HIRE_DATE:      '|| h_date);

dbms_output.put_line(' Employee salary: '|| e_salary);

END IF;
```

END IF;

END;



4. .Find the product having price more than 10.

CREATE OR REPLACE procedure maxprice(a IN number,b IN varchar2,d IN varchar2)

as

BEGIN

IF a>500 THEN

dbms_output.put_line(' ');

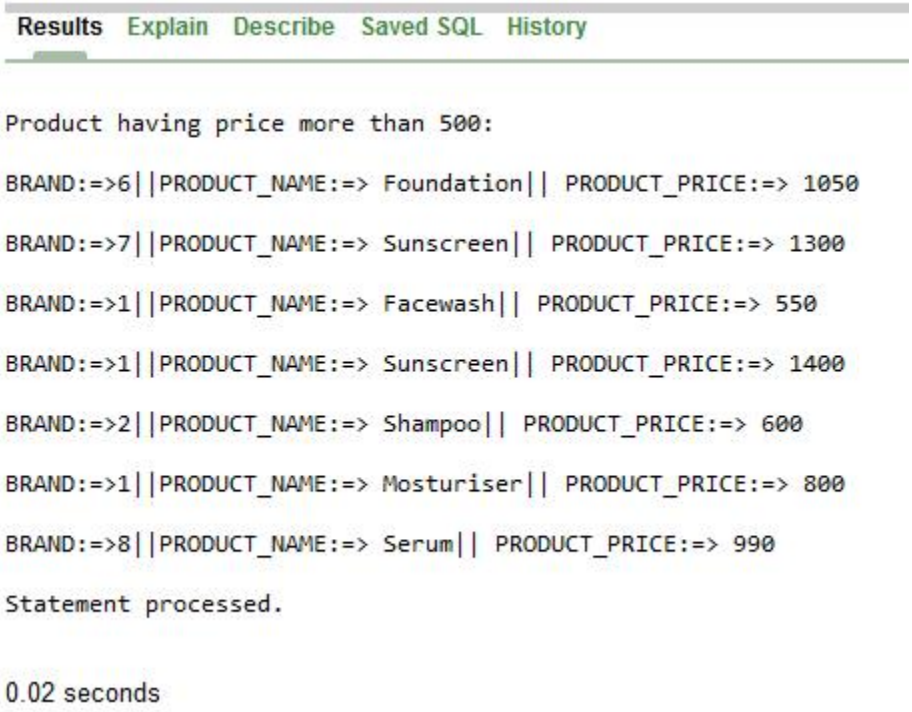
dbms_output.put_line('BRAND:=>'||b||'||PRODUCT_NAME:=> '||d||'|| PRODUCT_PRICE:=> '||a);

END IF;

END;

Procedure created.

```
FROM PRODUCT;
BEGIN
OPEN p;
dbms_output.put_line('Product having price more than 500:');
LOOP
FETCH p INTO p_record;
EXIT WHEN p%notfound;
a:= p_record.UNIT_PRICE;
b:= p_record.s_id;
d:= p_record.P_NAME;
maxprice(a,b,d);
END LOOP;  CLOSE p;  END;
```



5. Show Transaction having quantity more than 10

```
CREATE OR REPLACE procedure maxqnty(a IN number,b IN varchar2,d IN
number)
as
BEGIN
IF a>10 THEN
dbms_output.put_line(' ');
dbms_output.put_line('Transation id: '||d ||chr(10)
|| 'Product Name: '||b||chr(10)
 ||'Quantity: '|| a );
END IF;
END ;
```

```
Procedure created.
```

```
DECLARE
a number;
b varchar2(20);
d number;
emp_record TRANSACTION%rowtype;
cursor emp IS
SELECT*
```

```
FROM TRANSACTION;
BEGIN
OPEN emp;
dbms_output.put_line('Transaction having quantity more than 10:');
LOOP
FETCH emp INTO emp_record;
EXIT WHEN emp%notfound;
a:= emp_record.quantity;
b:= emp_record.p_name;
d:= emp_record.t_id;
maxqnty(a,b,d);
END LOOP;     CLOSE emp;       END;
```