A PROJECT REPORT ON

ONLINE CLOTHING STORE MANAGEMENT SYSTEM

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Guided by,

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SYSTEM OVERVIEW

- In this project we will see how a cloth store is managed using database system.
- Suppliers will supply stock to the store after which all cloths will be on display.
- Customers would buy clothes according to their requirement and that data would be stored in the database.
- Database will also generate bill on the basis of items sold.
- This is how our system works here.

CURRENT SYSTEM

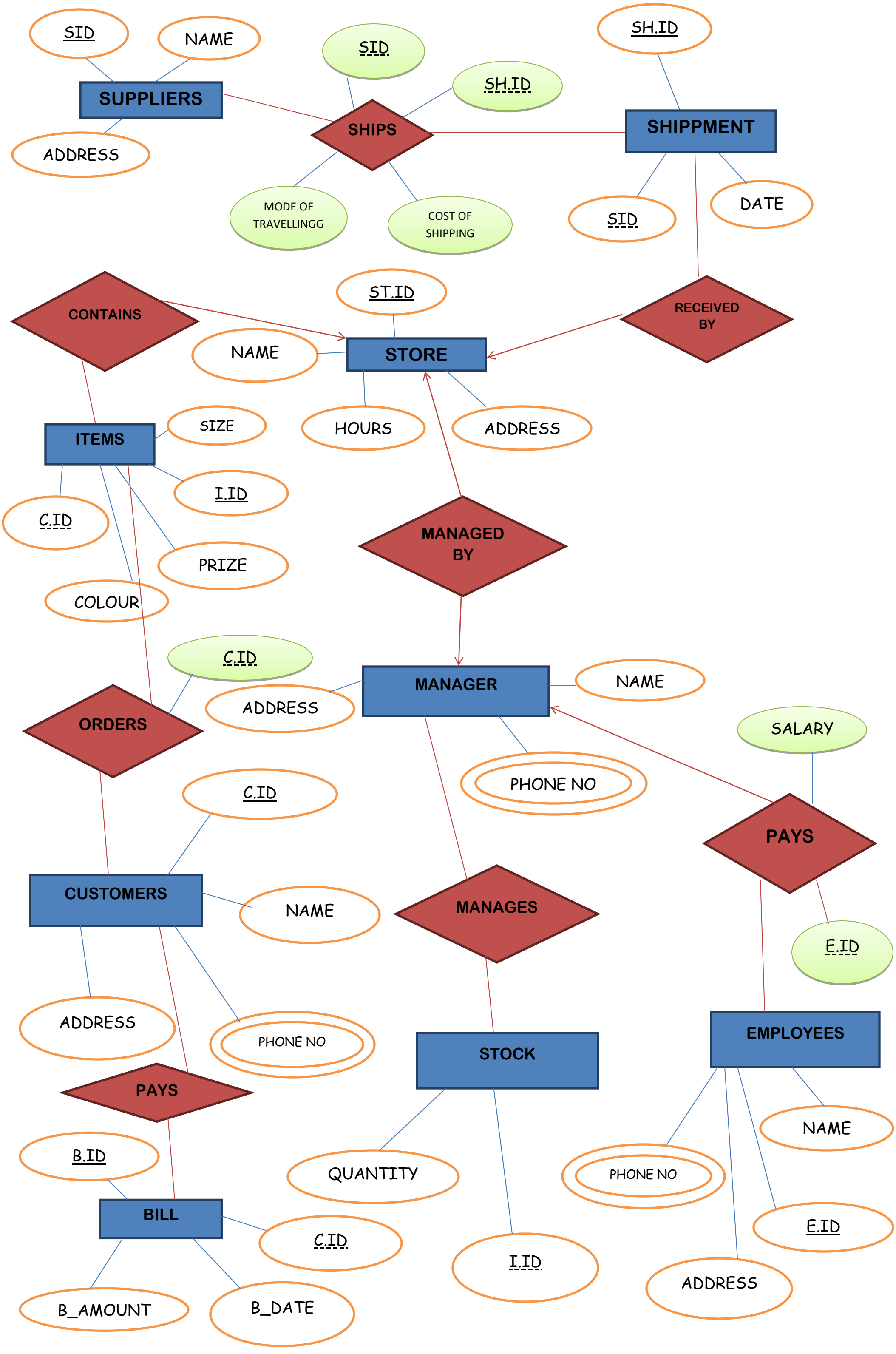
- Current system works in the same way described above the only difference is it doesn't use database system.
- So many functionality which database provides are not seen here.

OBJECTIVES OF PROPOSED SYSTEM

- System we discussed here would be beneficial and time saving.
- It uses procedure, triggers, cursors and function to make database work faster.
- Human efforts are decreased due to this system.

ADVANTAGES

- We used here a trigger to update new stock on sell of old stock.
- Cursor is used here to increment the salary of employees and even to provide discount, if bill amount is greater then some specific amount.
- Procedure used here will add up the amount of items bought by the customer.


SID
NAME
SUPPLIERS
ADDRESS
SID
SH.ID
SHIPS
MODE OF TRAVELLINGG
COST OF SHIPPING
SH.ID
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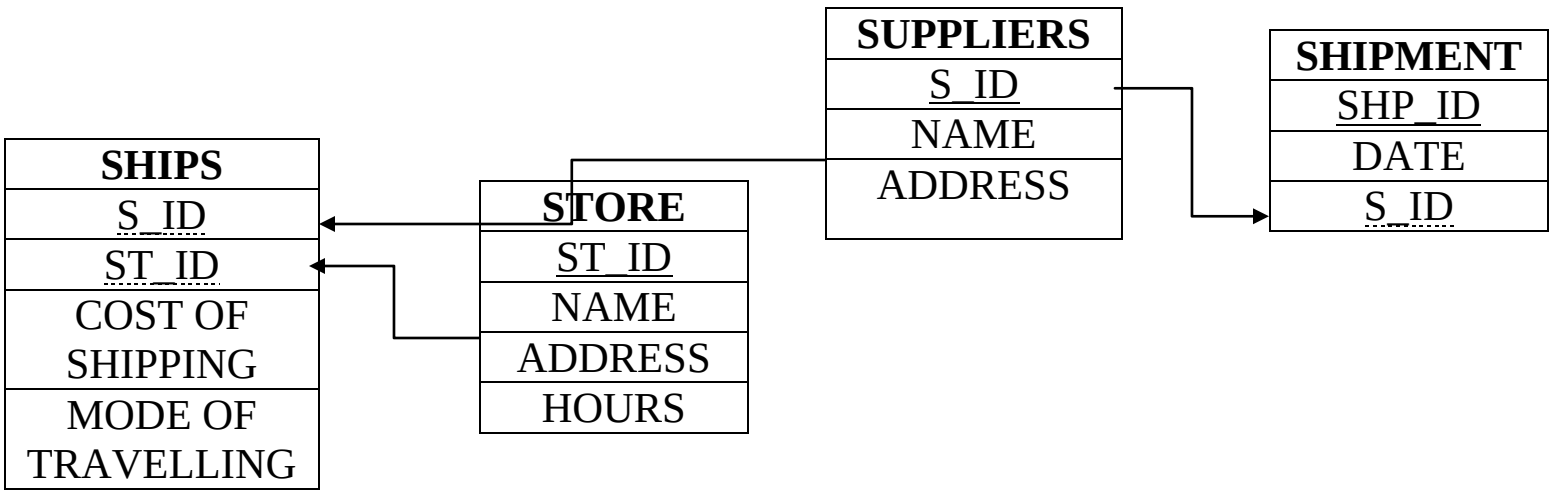
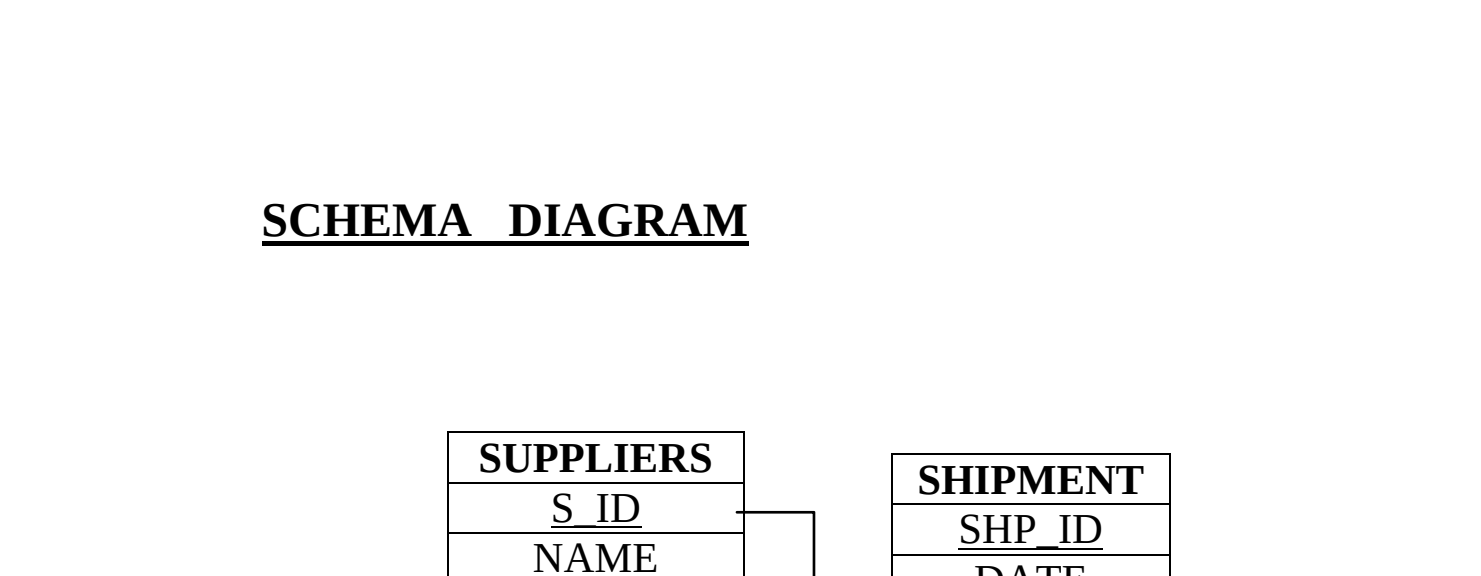
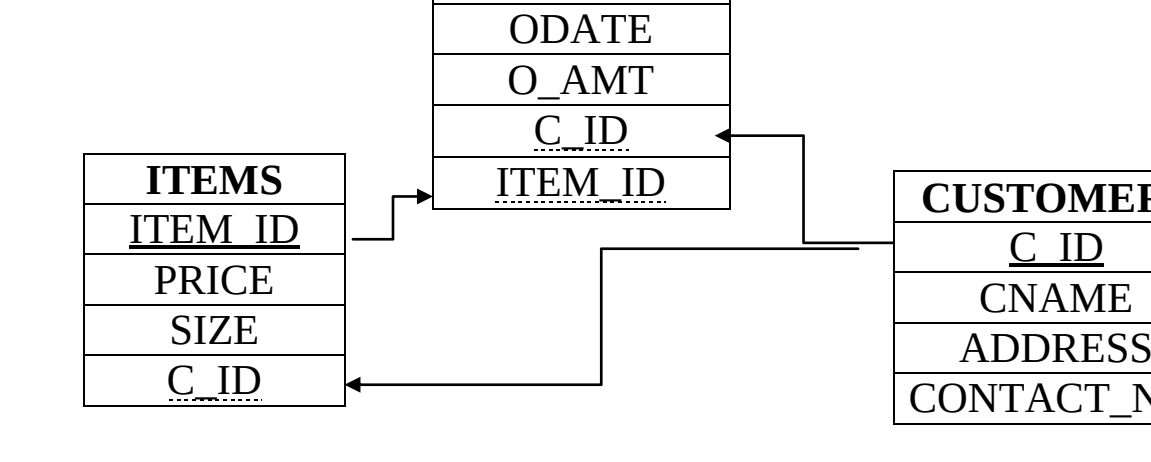
SID
DATE
CONTAINS
ST.ID
NAME
STORE
HOURS
ADDRESS
RECEIVED BY
ITEMS
SIZE
I.ID
C.ID
PRIZE
COLOUR
MANAGED BY
C.ID
ADDRESS
MANAGER
NAME
PHONE NO
SALARY
ORDERS
C.ID
CUSTOMERS
NAME
MANAGES
PAYS
E.ID
ADDRESS
PHONE NO
PAYS
STOCK
EMPLOYEES
NAME
B.ID
QUANTITY
PHONE NO
E.ID
BILL
C.ID
I.ID
ADDRESS
B_AMOUNT
B_DATE

SCHEMA DIAGRAM







IMPLEMENTATION

1. ITEM

```
CREATE TABLE I TEMS_1
(
 ITEM_ID VARCHAR2(5)PRIMARY KEY,
 COLOR VARCHAR2(10),
 PRICE NUMBER(6,2),
 CID REFERENCES CUSTOMERS_104
);
```

ITEM_ID	COLOR	PRICE	CID
I101	BLACK	500	C101
I102	RED	800	C104
I103	RED	900	C103
I104	WHITE	860	C102
I105	GREEN	660	C102
I106	ORANGE	780	C106
I107	PINK	450	C105
I108	PINK	1000	C107

2. CUSTOMER

```
CREATE TABLE CUSTOMER_104
(
 CID VARCHAR2(5)PRIMARY KEY,
 CNAME VARCHAR2(10),
 ADDRESS VARCHAR2(20),
 CONTACT_NO NUMBER(10)
);
```

CID	CNAME	ADDRESS	CONTACT_NO
C101	AJAY	-	-
C102	VINAY	-	-
C103	CHINTAN	-	-
C104	MANAN	-	-
C105	SHYAM	-	-
C106	ADITI	-	-
C107	ISHA	-	-

3.EMPLOYEE

```
CREATE TABLE EMPLOYEES_111
(
 E_ID VARCHAR2(5)PRIMARY KEY,
 ENAME VARCHAR2(10),
 CONTACT_NO NUMBER(10),
 ADDRESS VARCHAR2(20)
);
```

E_ID	ENAME	CONTACT_NO	ADDRESS
E101	NIRAV	-	-
E102	TAPAN	-	-
E103	ISHITA	-	-
E104	JAY	-	-
E105	HARSHAL	-	-
E106	SUNIL	-	-

4. ORDER

```
CREATE TABLE ORDERS_104
(
 O_ID VARCHAR2(5),
 O_DATE DATE,
 O_AMT NUMBER(6,2),
 CID REFERENCES CUSTOMERS_104,
 ITEM_ID REFERENCES ITEMS_1
);
```

O_ID	O_DATE	O_AMT	CID	ITEM_ID
O103	21-JAN-09	950	C101	I103
O102	21-JAN-09	750	C102	I101
O104	09-MAR-10	750	C105	I106
O105	11-APR-12	1000	C104	I105
O106	25-OCT-12	1800	C107	I104
O101	02-JAN-09	500	C103	I102

5. STORE

```
CREATE TABLE STORE
(
 ST_ID VARCHAR2(5),
 NAME VARCHAR2(15),
 HOURS NUMBER(2),
 ADDRESS VARCHAR2(20)
);
```

ST_ID	NAME	HOURS	ADDRESS
S101	INFIT	10	S.G.ROAD-RAJKOT

6. SHIPMENT

```
CREATE TABLE SHIPMENT_11
(
 SH_ID VARCHAR2(5)PRIMARY KEY,
 SHIPDATE DATE,
 SID REFERENCES SUPPLIERS_104
);
```

SH_ID	SHIPDATE	SID
SH01	26-JAN-10	SP02
SH02	15-AUG-09	SP01
SH03	02-OCT-10	SP03
SH04	11-APR-10	SP04

7. SUPPLIER

```
CREATE TABLE SUPPLIERS_104
(
 SID VARCHAR2(5)PRIMARY KEY,
 NAME VARCHAR2(10),
 ADDRESS VARCHAR2(20),
 CONTACT_NO NUMBER(10)
);
```

SID	NAME	ADDRESS	CONTACT_NO
SP01	VINAY	-	9998002000
SP02	AMIT	-	843802010
SP03	VINIT	-	888862012
SP04	MANAN	-	989862012

CURSOR

```
DECLARE
        VAR_ROWS NUMBER(5);
BEGIN
        UPDATE EMPLOYEES_111 SET SALARY=SALARY+1000 WHERE WORK_TIME>8;
        IF SQL%NOTFOUND THEN
                DBMS_OUTPUT.PUT_LINE('NONE OF THE SALARY IS UPDATED');
        END IF;
END;
```

OUTPUT:

E_ID	ENAME	CONTACT_NO	ADDRESS	SALARY	WORK_TIME
E101	NIRAV	-	-	20000	6
E102	TAPAN	-	-	10000	7
E103	ISHITA	-	-	8000	9
E104	JAY	-	-	8000	7
E105	HARSHAL	-	-	11000	9
E106	SUNIL	-	-	14000	10

E_ID	ENAME	CONTACT_NO	ADDRESS	SALARY	WORK_TIME
E101	NIRAV	-	-	20000	6
E102	TAPAN	-	-	10000	7
E103	ISHITA	-	-	9000	9
E104	JAY	-	-	8000	7
E105	HARSHAL	-	-	12000	9
E106	SUNIL	-	-	15000	10

2.

```
DECLARE
        VAR_ROWS NUMBER(5);
BEGIN
        UPDATE BILL SET B_AMOUNT=B_AMOUNT-500 WHERE B_AMOUNT>2000;
        IF SQL%NOTFOUND THEN
                DBMS_OUTPUT.PUT_LINE('NONE OF THE B_AMOUNT IS UPDATED');
        END IF;
END;
```

OUTPUT:

B_ID	B_AMOUNT	B_DATE	CID
B101	2000	11-APR-10	C101
B102	3500	09-SEP-09	C103
B103	4500	02-NOV-11	C104
B104	1200	02-DEC-10	C102
B105	5700	21-FEB-10	C105
B106	4000	21-MAY-09	C106

B_ID	B_AMOUNT	B_DATE	CID
B101	2000	11-APR-10	C101
B102	3000	09-SEP-09	C103
B103	4000	02-NOV-11	C104
B104	1200	02-DEC-10	C102
B105	5200	21-FEB-10	C105
B106	3500	21-MAY-09	C106

TRIGGER

```
CREATE TRIGGER ITEM BEFORE UPDATE ON ITEMS_1 FOR EACH ROW
BEGIN
INSERT INTO ITEMS_OLD VALUES(:OLD.ITEM_ID,:OLD.COLOR,:OLD.PRICE,:OLD.CID,:OLD.BRAND_NAME);
END;
```

OUTPUT:

```
SELECT* FROM ITEMS_1;
```

ITEM_ID	COLOR	PRICE	CID	BRAND_NAME
I101	BLACK	550	C101	-
I102	RED	800	C104	-
I103	RED	900	C103	-
I104	WHITE	860	C102	-
I105	GREEN	710	C102	-
I106	ORANGE	830	C106	-
I107	PINK	500	C105	-
I108	PINK	1000	C107	-
I109	YELLOW	1200	C103	-

UPDATE ITEMS_1 SET PRICE=1000 WHERE ITEM_ID='I103';

ITEM_ID	COLOR	PRICE	CID	BRAND_NAME
I101	BLACK	550	C101	-
I102	RED	800	C104	-
I103	RED	1000	C103	-
I104	WHITE	860	C102	-
I105	GREEN	710	C102	-
I106	ORANGE	830	C106	-
I107	PINK	500	C105	-
I108	PINK	1000	C107	-
I109	YELLOW	1200	C103	-

SELECT* FROM ITEMS_OLD;

ITEM_ID	COLOR	PRICE	CID	BRAND_NAME
I103	RED	900	C103	-

STORED PROCEDURE FUNCTION

```
END; CREATE  FUNCTION  BILL_17(B_AMOUNT IN NUMBER) RETURN NUMBER  IS
        T_B VARCHAR2(20);
        X number(4);
        Y NUMBER(4):=0;
BEGIN
```

```
        X:= B_AMOUNT;
        Y:=X+Y;
        return Y;
```

OUTPUT:

```
Function created

0.02 seconds


Procedure created.

0.06 seconds
```

FUTURE ENHANCEMENT

- In future we see more branches of this store and all are managed by database system.
- Records of all the branches would be in database.
- Further more varieties of brands could shipped by the supplier and huge store or we can say mall of clothes could be managed by this database system.

BIBLIOGRAPHY

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  -By Henry F. Korth, S. Sudarshan
- SQL,PL/SQL
  (programming language of oracle)
  -By Ivan Bayross