Team 36 – Supermarket Management System

TA: Alaa Khaled

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| Names | Seat Number | Department | Sections |
| منار محمد حمدي عبداللطيف | 2021170545 | CS | 7 |
| رنيم محمد عبدالرازق محمود | 2021170197 | CS | 3 |
| شهد السيد احمد محمد | 2021170259 | CS | 4 |
| علياء أسامة إسماعيل محمد | 2021170343 | CS | 4 |
| منة الله مصطفي أحمد رسلان | 2021170549 | CS | 7 |
| ندى أحمد فتح الله محمد إسماعيل | 2021170580 | CS | 7 |

2024

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**Procedures for the Finalize User Payment Function:**

**Procedure 1:**

create or replace procedure CheckCustomerExistance

(mobileNumber in VARCHAR2, rowCount out NUMBER)

as

begin

select count(mobilenumber)

into rowcount

from customers

where mobile\_phone = mobilenumber;

end;

**Procedure 2:**

create or replace procedure GetCategoriesName

(CategoriesName out sys\_refcursor)

as

begin

open categoriesname for

select CATEGORY\_NAME from productscategory;

end;

**Procedure 3:**

create or replace procedure GetCustomerPoints

(mobileNumber in VARCHAR2, customerPoints out NUMBER)

as

begin

select POINTS into customerpoints

from CUSTOMERS

where MOBILE\_PHONE = mobileNumber;

end;

**Procedures for Manage Expired Products:**

**Procedure 1:**

create or replace PROCEDURE GetExpiredData

(

p\_cursor OUT SYS\_REFCURSOR

)

AS

BEGIN

OPEN p\_cursor FOR

SELECT \* FROM Products WHERE Expiary\_Date < SYSDATE and Number\_Of\_Units > 0;

END;

**Procedure 2:**

create or replace

PROCEDURE CalculateTotalPrice (total\_price OUT NUMBER)

AS

BEGIN

total\_price := 0;

FOR product IN (SELECT \* FROM Products WHERE Expiary\_Date < SYSDATE) LOOP

total\_price := total\_price + (product.Number\_Of\_Units \* product.Product\_Price);

END LOOP;

END;

**Creating Sequence for the Primary Key of the Losses Table:**

CREATE SEQUENCE loss\_seq START WITH 6 INCREMENT BY 1;

**Table Creation Scripts:**

CREATE TABLE EMP(

EMP\_ID NUMBER NOT NULL PRIMARY KEY ,

EMP\_NAME VARCHAR(255),

EMP\_PASSWORD VARCHAR(255),

SALARY NUMBER(10, 2),

EVALUATION VARCHAR(255) ,

ATTENDANCE\_DAYS NUMBER,

EMP\_ROLE VARCHAR(255)

);

CREATE TABLE WARNINGS (

EMP\_ID NUMBER,

DATE\_OF\_WARNING DATE,

PRIMARY KEY (EMP\_ID, DATE\_OF\_WARNING),

FOREIGN KEY (EMP\_ID) REFERENCES EMP(EMP\_ID)

);

CREATE TABLE CUSTOMERS (

MOBILE\_PHONE VARCHAR(11) PRIMARY KEY,

POINTS NUMBER

);

CREATE TABLE TRANSACTIONS (

TRANSACTION\_ID NUMBER PRIMARY KEY,

TOTAL\_PRICE NUMBER(10, 2)

);

INSERT INTO EMP VALUES (1, 'Aliaa Osama', '5c93dcc836fdb38a762206a4d0e392764648480a8785ed7916976b9fc550a1dd', 50000.00, 'Good',90, 'Cashier'); --Aliaa123

INSERT INTO EMP VALUES (2, 'Nada Ahmed', '09c1d790ddac291b3be054e4bc5930dc00d21f0e645ff11e7affaabe21947253', 60000.00, 'Good',95 , 'Clerk'); --Nada123

INSERT INTO EMP VALUES (3, 'Manar Mohamed', '2c18b4dee3a8741ad4dc66b63ad1bad88f326bb5692ad88ec497ecbd6729b8f4', 40000.00, 'Good', 93, 'Cashier'); --Manar123

INSERT INTO EMP VALUES (4, 'Shahd Ahmed', '38d66896689e7b305aa4bb9f64cf8ad04a0bf1398837ed9e2366836c1d5f6be8', 70000.00, 'Good', 98, 'Clerk'); --Shahd123

INSERT INTO EMP VALUES (5, 'Raneem Mohamed', 'dc1b146d8b8d7fda15e414d8e9d7393ec18d72f6a88f5586007092e2e27f8a02', 50000.00, 'Good', 86 , 'Cashier'); --Raneem123

INSERT INTO EMP VALUES (6, 'Mennatoullah Mostafa', '8c9e3c67f588c5bc9bd4d79e5b0306617266674e7d12e0d21a2879e005c3a72b', 60000.00, 'Good', 88 , 'Clerk'); --'Mennatullah123

INSERT INTO EMP VALUES (7, 'Mohamed Ahmed', '5c93dcc836fdb38a762206a4d0e392764648480a8785ed7916976b9fc550a1dd', 80000.00, 'Good', 110 , 'Manager'); -- Aliaa123

INSERT INTO WARNINGS VALUES (1, TO\_DATE('2024-01-07', 'YYYY-MM-DD'));

INSERT INTO WARNINGS VALUES (3, TO\_DATE('2024-02-16', 'YYYY-MM-DD'));

INSERT INTO WARNINGS VALUES (5, TO\_DATE('2023-12-27', 'YYYY-MM-DD'));

INSERT INTO CUSTOMERS VALUES ('01234567890', 100);

INSERT INTO CUSTOMERS VALUES ('01234567569', 500);

INSERT INTO CUSTOMERS VALUES ('01081404879', 50);

INSERT INTO CUSTOMERS VALUES ('01154871871', 200);

INSERT INTO CUSTOMERS VALUES ('01054648791', 750);

INSERT INTO TRANSACTIONS VALUES (1,200);

INSERT INTO TRANSACTIONS VALUES (2,1250);

INSERT INTO TRANSACTIONS VALUES (3,860.50);

INSERT INTO TRANSACTIONS VALUES (4,750);

INSERT INTO TRANSACTIONS VALUES (5,325.75);

commit;

create TABLE ProductsCategory(

Category\_ID NUMBER(5) PRIMARY KEY ,

Category\_Name VARCHAR2(100)

);

create TABLE Products(

Product\_ID NUMBER(5),

Product\_Name VARCHAR2(100),

Product\_Price NUMBER(10,2),

Number\_Of\_Units NUMBER(10),

Expiary\_Date DATE,

Category\_ID NUMBER(5),

CONSTRAINT pk\_ProductID\_ProductName PRIMARY KEY (Product\_ID,Product\_Name),

CONSTRAINT fk\_Category\_ID FOREIGN KEY (Category\_ID) REFERENCES ProductsCategory(Category\_ID)

);

create TABLE Supplies(

Order\_ID NUMBER(5) PRIMARY KEY ,

Product\_ID NUMBER(5),

Product\_Name VARCHAR2(100),

Number\_Of\_Units\_Ordered NUMBER(10),

Price\_Paid NUMBER(10,2),

CONSTRAINT fk\_Product\_ID\_Name FOREIGN KEY (Product\_ID,Product\_Name) REFERENCES Products(Product\_ID,Product\_Name)

);

create TABLE Losses(

Loss\_ID NUMBER(5) PRIMARY KEY ,

Total\_Loss\_Amount NUMBER(10),

Loss\_Date DATE

);

INSERT INTO ProductsCategory (Category\_ID, Category\_Name) VALUES (1, 'Dairy Products');

INSERT INTO ProductsCategory (Category\_ID, Category\_Name) VALUES (2, 'Beverages');

INSERT INTO ProductsCategory (Category\_ID, Category\_Name) VALUES (3, 'Frozen Foods');

INSERT INTO ProductsCategory (Category\_ID, Category\_Name) VALUES (4, 'Snacks and Sweets');

INSERT INTO ProductsCategory (Category\_ID, Category\_Name) VALUES (5, 'Canned Foods');

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (1, 'Milk-AlMarai', 50, 0, TO\_DATE('2024-05-21', 'YYYY-MM-DD'), 1);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (2, 'Milk-juhayna', 45, 50, TO\_DATE('2024-03-21', 'YYYY-MM-DD'), 1);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (3, 'Mozzarella Cheese-domty', 85, 13, TO\_DATE('2024-05-22', 'YYYY-MM-DD'), 1);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (4, 'Mozzarella Cheese-panda', 70, 30, TO\_DATE('2024-06-12', 'YYYY-MM-DD'), 1);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (5, 'Feta Cheese-domty', 30, 25, TO\_DATE('2024-05-29', 'YYYY-MM-DD'), 1);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (6, 'Feta Cheese-panda', 35, 15, TO\_DATE('2024-05-14', 'YYYY-MM-DD'), 1);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (7, 'Yoghurt-AlMarai',26, 0, TO\_DATE('2024-04-10', 'YYYY-MM-DD'), 1);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (8, 'Yoghurt-juhayna',24, 30, TO\_DATE('2024-06-10', 'YYYY-MM-DD'), 1);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (9, 'Yoghurt-Danone',25, 20, TO\_DATE('2024-02-10', 'YYYY-MM-DD'), 1);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (10, 'Juice-juhayna', 20, 10, TO\_DATE('2024-05-12', 'YYYY-MM-DD'), 2);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (11, 'Juice-AlMarai', 25, 50, TO\_DATE('2024-05-28', 'YYYY-MM-DD'), 2);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (12, 'Soda drink-V7', 20, 60, TO\_DATE('2024-02-23', 'YYYY-MM-DD'), 2);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (13, 'Soda drink-Spiro Spathis', 10, 30, TO\_DATE('2024-06-13', 'YYYY-MM-DD'), 2);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (14, 'Bottled Water-Elano', 15 , 75, TO\_DATE('2024-05-25', 'YYYY-MM-DD'), 2);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (15, 'Bottled Water-Aqua Delta', 13 , 0, TO\_DATE('2024-04-22', 'YYYY-MM-DD'), 2);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (16, 'Frozen Spinach-basma', 35 , 23, TO\_DATE('2024-05-12', 'YYYY-MM-DD'), 3);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (17, 'Frozen Peas-basma', 40 , 20, TO\_DATE('2024-01-19', 'YYYY-MM-DD'), 3);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (18, 'Frozen Green Beans-basma', 40 , 50, TO\_DATE('2024-05-25', 'YYYY-MM-DD'), 3);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (19, 'Chips-big chips', 10 , 50, TO\_DATE('2024-05-28', 'YYYY-MM-DD'), 4);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (20, 'Chips-tiger', 10 , 20, TO\_DATE('2024-04-13', 'YYYY-MM-DD'), 4);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (21, 'Chocolate-Corona', 30 , 14, TO\_DATE('2024-05-15', 'YYYY-MM-DD'), 4);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (22, 'Corn-Rose Garden', 50 , 30, TO\_DATE('2024-06-02', 'YYYY-MM-DD'), 5);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (23, 'Tomato Paste-Rose Garden', 55 , 18, TO\_DATE('2024-02-02', 'YYYY-MM-DD'), 5);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (24, 'Tomato Paste-harvest', 55 , 0, TO\_DATE('2024-05-12', 'YYYY-MM-DD'), 5);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (25, 'Tuna-Rose Garden', 100 , 50, TO\_DATE('2024-03-24', 'YYYY-MM-DD'), 5);

INSERT INTO Products (Product\_ID, Product\_Name, Product\_Price, Number\_Of\_Units, Expiary\_Date, Category\_ID) VALUES (26, 'Tuna-Dolphin', 85 , 0, TO\_DATE('2024-06-24', 'YYYY-MM-DD'), 5);

INSERT INTO Supplies (Order\_ID, Product\_ID, Product\_Name, Number\_Of\_Units\_Ordered, Price\_Paid) VALUES (1, 1, 'Milk-AlMarai', 30, 1500);

INSERT INTO Supplies (Order\_ID, Product\_ID, Product\_Name, Number\_Of\_Units\_Ordered, Price\_Paid) VALUES (2, 3, 'Mozzarella Cheese-domty', 50, 4250);

INSERT INTO Supplies (Order\_ID, Product\_ID, Product\_Name, Number\_Of\_Units\_Ordered, Price\_Paid) VALUES (3, 7, 'Yoghurt-AlMarai', 40, 1040);

INSERT INTO Supplies (Order\_ID, Product\_ID, Product\_Name, Number\_Of\_Units\_Ordered, Price\_Paid) VALUES (4, 10, 'Juice-juhayna', 80, 1600);

INSERT INTO Losses (Loss\_ID, Total\_Loss\_Amount, Loss\_Date) VALUES (1, 1200, TO\_DATE('2024-04-13', 'YYYY-MM-DD'));

INSERT INTO Losses (Loss\_ID, Total\_Loss\_Amount, Loss\_Date) VALUES (2, 1500, TO\_DATE('2024-02-04', 'YYYY-MM-DD'));

INSERT INTO Losses (Loss\_ID, Total\_Loss\_Amount, Loss\_Date) VALUES (3, 400, TO\_DATE('2024-03-23', 'YYYY-MM-DD'));

INSERT INTO Losses (Loss\_ID, Total\_Loss\_Amount, Loss\_Date) VALUES (5, 1280, TO\_DATE('2024-04-01', 'YYYY-MM-DD'));

commit;

**Employees IDs and Passwords:**

ID: 1, Password: Aliaa123

ID: 2, Password: Nada123

ID: 3, Password: Manar123

ID: 4, Password: Shahd123

ID: 5, Password: Raneem123

ID: 6, Password: Mennatullah123

ID: 7, Password: Aliaa123