|  |  |
| --- | --- |
|  |  |
| Supermarket Management System |  |
|  |  |
|  | علي يحيي زكريا فهمي 2021170820احمد سامح احمد مختار 2021170802 |
|  | فادي مجدي زكي ابراهيم 2021170824عبدالله احمد شحاته هلال 2021170819محمد عماد عاطف عبدالحميد غانم 2021170830احمد طارق محمد كمال 2021170804كريم فؤاد شهب محمد 20211708262021170812 سامح وليد اسماعيل محسن TA / Lobna Mady |

Team Id: 11 SWE

# Script

CREATE TABLE supermarket(

branchID NUMBER(6) PRIMARY KEY,

budget NUMBER(5) CHECK(budget>0));

commit;

CREATE TABLE item(

itemID NUMBER(6) PRIMARY KEY,

itemName VARCHAR2(25) UNIQUE NOT NULL,

price NUMBER(5,2) CHECK(price>0),

categories VARCHAR2(25) NOT NULL,

number\_of\_item NUMBER(5) NOT NULL);

commit;

CREATE TABLE transactions (

transactionID NUMBER(6) PRIMARY KEY,

totalprice NUMBER(5) CHECK(totalprice>0),

customerName VARCHAR2(25) NOT NULL,

date\_transaction DATE NOT NULL);

alter TABLE TRANSACTIONS drop column TOTALPRICE;

commit;

CREATE TABLE market\_employees (

empID NUMBER(6) PRIMARY KEY,

salary NUMBER(5) CHECK(salary>0),

emp\_role VARCHAR2(25) NOT NULL);

commit;

CREATE TABLE market\_accounts (

username VARCHAR2(25) PRIMARY KEY,

acc\_password VARCHAR2(25) NOT NULL,

empID NUMBER(6),

branchID NUMBER(6));

ALTER TABLE market\_accounts

ADD FOREIGN KEY (empID)

REFERENCES market\_employees(empID)

ON DELETE CASCADE;

ALTER TABLE market\_accounts

ADD FOREIGN KEY (branchID)

REFERENCES supermarket(branchID);

commit;

CREATE TABLE market\_includes (

transactionID NUMBER(6) NOT NULL,

itemID NUMBER(6) NOT NULL,

CONSTRAINT pk\_includes PRIMARY KEY(transactionID,itemID));

commit;

ALTER TABLE market\_includes

ADD FOREIGN KEY(itemID)

REFERENCES item(itemID);

ALTER TABLE market\_includes

ADD FOREIGN KEY(transactionID)

REFERENCES transactions(transactionID);

commit;

CREATE TABLE Credit\_Cards(

CardID NUMBER(8) PRIMARY KEY,

budget NUMBER(8,2) CHECK(budget>0));

commit;

INSERT INTO credit\_cards

VALUES (11111111,1000.00);

INSERT INTO credit\_cards

VALUES (22222222,2000.00);

INSERT INTO credit\_cards

VALUES (33333333,3000.00);

commit;

INSERT INTO supermarket

VALUES (1,50000);

INSERT INTO supermarket

VALUES (2,40000);

INSERT INTO supermarket

VALUES (3,55000);

commit;

insert into TRANSACTIONS

values ( 1,'Nada Pantaleon','24-DEC-23');

commit;

INSERT INTO market\_employees

VALUES (1,9355,'Admin');

INSERT INTO market\_employees

VALUES (2,4669,'Admin');

INSERT INTO market\_employees

VALUES (3,18649,'Admin');

INSERT INTO market\_employees

VALUES (4,1396,'Stock Controller');

INSERT INTO market\_employees

VALUES (5,7525,'Stock Controller');

INSERT INTO market\_employees

VALUES (6,7785,'Stock Controller');

INSERT INTO market\_employees

VALUES (7,16988,'Sales');

INSERT INTO market\_employees

VALUES (8,14193,'Sales');

INSERT INTO market\_employees

VALUES (9,10227,'Sales');

INSERT INTO market\_employees

VALUES (10,13804,'Cashier');

INSERT INTO market\_employees

VALUES (11,16534,'Cashier');

INSERT INTO market\_employees

VALUES (12,16505,'Cashier');

commit;

INSERT INTO market\_accounts

VALUES ('admin1','admin1',1,1);

INSERT INTO market\_accounts

VALUES ('admin2','admin2',2,2);

INSERT INTO market\_accounts

VALUES ('admin3','admin3',3,3);

INSERT INTO market\_accounts

VALUES ('Nicodemo','123123',4,1);

INSERT INTO market\_accounts

VALUES ('Loukas','321321',5,2);

INSERT INTO market\_accounts

VALUES ('Fadila','111222',6,3);

INSERT INTO market\_accounts

VALUES ('Julia','111333',7,1);

INSERT INTO market\_accounts

VALUES ('Dip','111444',8,2);

INSERT INTO market\_accounts

VALUES ('Viktoria','111555',9,3);

INSERT INTO market\_accounts

VALUES ('Roeland','111666',10,1);

INSERT INTO market\_accounts

VALUES ('Kishan','111777',11,2);

INSERT INTO market\_accounts

VALUES ('Arie','111888',12,3);

commit;

INSERT INTO item

VALUES(1,'Bread',15.50,'Bakery',1000);

INSERT INTO item

VALUES(2,'Toast',31.50,'Bakery',1000);

INSERT INTO item

VALUES(3,'Egg',125.00,'Dairy',1000);

INSERT INTO item

VALUES(4,'Butter',90.35,'Dairy',1000);

INSERT INTO item

VALUES(5,'Cheese',78.35,'Dairy',1000);

INSERT INTO item

VALUES(6,'Milk',25.95,'Dairy',1000);

INSERT INTO item

VALUES(7,'Pasta',10.45,'Dry Goods',1000);

INSERT INTO item

VALUES(8,'Flour',28.15,'Dry Goods',1000);

INSERT INTO item

VALUES(9,'Banana',56.75,'Fruits',1000);

INSERT INTO item

VALUES(10,'Apple',41.95,'Fruits',1000);

INSERT INTO item

VALUES(11,'Potato Chip',5.00,'Snack Food',1000);

INSERT INTO item

VALUES(12,'Biscuit',2.95,'Snack Food',1000);

INSERT INTO item

VALUES(13,'Ice Cream',16.95,'Snack Food',1000);

INSERT INTO item

VALUES(14,'Honey',120.00,'Jarred Goods',1000);

INSERT INTO item

VALUES(15,'Strawberry Jam',29.25,'Jarred Goods',1000);

INSERT INTO item

VALUES(16,'Mustard',26.50,'Jarred Goods',1000);

INSERT INTO item

VALUES(17,'Ketchup',36.90,'Jarred Goods',1000);

INSERT INTO item

VALUES(18,'Tomato',40.95,'Vegetables',1000);

INSERT INTO item

VALUES(19,'Carrot',16.95,'Vegetables',1000);

INSERT INTO item

VALUES(20,'Broccoli',14.00,'Vegetables',1000);

INSERT INTO item

VALUES(21,'Vinegar',10.75,'Seasoning',1000);

INSERT INTO item

VALUES(22,'Salt',7.75,'Seasoning',1000);

INSERT INTO item

VALUES(23,'Chicken Breast',105.95,'Meat',1000);

INSERT INTO item

VALUES(24,'Beef',316.55,'Meat',1000);

INSERT INTO item

VALUES(25,'Tuna',37.65,'Sea Food',1000);

INSERT INTO item

VALUES(26,'Rice',51.95,'Grain',1000);

INSERT INTO item

VALUES(27,'Couscous',74.25,'Grain',1000);

INSERT INTO item

VALUES(28,'Tea',22.95,'Beverages',1000);

INSERT INTO item

VALUES(29,'Orange Juice',14.45,'Beverages',1000);

INSERT INTO item

VALUES(30,'Shampoo',87.10,'Personal Care',1000);

INSERT INTO item

VALUES(31,'Soap',10.95,'Personal Care',1000);

INSERT INTO item

VALUES(32,'Shaving Cream',17.95,'Personal Care',1000);

commit;

insert into market\_includes

values (1,1);

insert into market\_includes

values (1,3);

insert into market\_includes

values (1,6);

commit;

# Procedures

create or replace procedure Get\_TRANSACTION\_ID (RID out number)

as

begin

select max(TRANSACTIONID)

into RID

from TRANSACTIONS;

end;

CREATE OR REPLACE PROCEDURE GetNumberRemaining

(productName IN VARCHAR2, numberRemaining OUT NUMBER)

IS

BEGIN

SELECT number\_of\_item

INTO numberremaining

FROM item

WHERE itemname = productname;

END;

create or replace procedure addtransactions

(transactionid in number, customername in varchar2, date\_transaction in date)

as

begin

insert into transactions

values (transactionid, customername , date\_transaction);

end;

create or replace procedure deletetransactions

(tid in number)

as

begin

delete from transactions

where transactionid = tid;

end;

create or replace procedure updatetransactions

(tid in number, cname in varchar2, dtransaction in date)

as

begin

update transactions

set customername = cname, date\_transaction = dtransaction

where transactionid = tid;

end;

create or replace PROCEDURE viewtransactions

( csr out sys\_refcursor)

is

begin

open csr for

select \*

from transactions;

end;

create or replace

procedure Get\_Emp\_ID (EID out number)

as

begin

select max(empid)

into EID

from market\_employees;

end;