TABLES

Create table Department( DepartmentCode VARCHAR(5),

PRIMARY KEY(DepartmentCode));

insert into department values ('STRG');

insert into department values ('CAF');

insert into department values ('LANG');

insert into department values ('IT');

insert into department values ('SCI');

create table Employee(ID int,

FistName VARCHAR(15) NOT NULL,

LastName VARCHAR(15) NOT NULL,

DateHired date,

SalaryJOD INT,

Department VARCHAR(20),

PRIMARY KEY(ID),

FOREIGN KEY (Department) REFERENCES Department(DepartmentCode)

);

insert into employee values (20153365,'Mira', 'Osama', '05/02/2015', 450, 'STRG');

insert into employee values (20182253, 'Zina', 'Salem', '12/10/2018', 525, 'IT');

insert into employee values (20204528, 'Bisan', 'Alzamel', '10/09/2020', 375, 'SCI');

insert into employee values (20123456, 'Nasser', 'AlKhalil', '27/06/2012', 625, 'STRG');

insert into employee values (20126543, 'Mohamad', 'Mourad', '30/03/2012', 630, 'CAF');

create table Vendor(FirstName VARCHAR(15),

LastName VARCHAR(15),

PRIMARY KEY (FirstName,LastName)

);

insert into Vendor values ('Ahmad', 'Khaled');

insert into Vendor values ('Issa', 'Mohammad');

insert into Vendor values ('Lina', 'Ibrahim');

insert into Vendor values ('Dana', 'Adam');

insert into Vendor values ('Sajed', 'Amjad');

create table VendorPN(PhoneNumber int,

FirstName VARCHAR(15),

LastName VARCHAR(15),

PRIMARY KEY(PhoneNumber),

FOREIGN KEY (FirstName,LastName) REFERENCES Vendor(FirstName,LastName)

);

insert into VendorPN values(0795717855, 'Ahmad', 'Khaled');

insert into VendorPN values(0770978988, 'Issa', 'Mohammad');

insert into VendorPN values(0771212786, 'Issa', 'Mohammad');

insert into VendorPN values(0781878764, 'Sajed', 'Amjad');

insert into VendorPN values(0791233123, 'Dana', 'Adam');

create table Category(Abbreviation char(1),

Description varchar(2),

PRIMARY KEY(Description)

);

insert into Category values('B','Books');

insert into Category values('S','Supplies');

insert into Category values('C','Clothing');

insert into Category values('F','Food');

insert into Category values('E','Electronics');

create table MerchandiseItem(StockCode int,

SellingPrice NUMERIC(2,2),

Description VARCHAR(20),

Quantity int,

UnitCode char(4),

Author VARCHAR(30),

Taxable VARCHAR(5),

VFisrtName VARCHAR(15),

VLastName VARCHAR(15),

MCategory VARCHAR(30),

PRIMARY KEY (StockCode),

FOREIGN KEY (VFisrtName,VLastName) REFERENCES Vendor(FirstName,LastName),

FOREIGN KEY (MCategory) REFERENCES Category(Description)

);

insert into MerchandiseItem values(700, 14.99, 'Shirt', 25, 'Each', NULL , 'False', 'Lina', 'Ibrahim', 'Clothing');

insert into MerchandiseItem values(800, 9.95, 'English', 30, 'Each', 'Thatcher’s Supplies', 'False', 'Ahmad', 'Khaled', 'Books');

insert into MerchandiseItem values(550, 18.50, 'Hoodie', 20, 'Each', NULL, 'False', 'Issa', 'Mohammad', 'Clothing');

insert into MerchandiseItem values(400, 8.00, 'Headphones', 15, 'Each', NULL, 'False', 'Sajed', 'Amjad', 'Electronics');

insert into MerchandiseItem values(150, 1.25, 'chips', 50, 'Each', NULL , 'False', 'Dana', 'Adam', 'Food');

insert into MerchandiseItem values(710, 14.99, 'Shirt', 25, 'Each', NULL , 'False', 'Lina', 'Ibrahim', 'Clothing');

insert into MerchandiseItem values(300, 7.99, 'LANGUAGE', 10, 'Each', 'West Publishing' , 'True', 'Sajed', 'Amjad', 'Books');

insert into MerchandiseItem values(810, 9.95, 'English', 6, 'Each', 'Irving Publishers', 'True', 'Ahmad', 'Khaled', 'Books');

insert into MerchandiseItem values(200, 10.5, 'English', 13, 'Each', 'Irving Publishers', 'True', 'Ahmad', 'Khaled', 'Books');

insert into MerchandiseItem values(560, 18.50, 'Hoodie', 20, 'Each', NULL , 'False', 'Issa', 'Mohammad', 'Clothing');

insert into MerchandiseItem values(410, 8.00, 'Headphones', 15, 'Each', NULL , 'False', 'Sajed', 'Amjad', 'Electronics');

insert into MerchandiseItem values(160, 1.25, 'chips', 5, 'Each', NULL , 'False', 'Dana', 'Adam', 'Food');

insert into MerchandiseItem values(110, 14.99, 'chemistry ', 25, 'Each', 'Thatcher’s Supplies', 'False', 'Lina', 'Ibrahim', 'Books');

insert into MerchandiseItem values(90, 19.99, 'chemistry ', 25, 'Each', 'Thatcher’s Supplies', 'True', 'Lina', 'Ibrahim', 'Books');

create table TextbookAdoptions(AdoptionID int,

Required VARCHAR(3),

PRIMARY KEY (AdoptionID)

);

insert into TextbookAdoptions values(001, 'Yes');

insert into TextbookAdoptions values(002, 'No');

insert into TextbookAdoptions values(003, 'No');

insert into TextbookAdoptions values(004, 'No');

insert into TextbookAdoptions values(005, 'Yes');

create table Course(CourseNo int,

CourseTitle VARCHAR(30),

CDepartment VARCHAR(5),

PRIMARY KEY (CourseNo),

FOREIGN KEY (CDepartment) REFERENCES Department(DepartmentCode)

);

insert into Course values(201800, 'Physics', 'SCI');

insert into Course values(201810, 'Calculus', 'SCI');

insert into Course values(201820, 'English', 'LANG');

insert into Course values(201830, 'Circuits', 'SCI');

insert into Course values(201840, 'Data Structures', 'IT');

create table Section(ProfessorName VARCHAR(30),

CourseNo int,

SecNumber int,

FOREIGN KEY (CourseNo) REFERENCES Course(CourseNo),

PRIMARY KEY (SecNumber,CourseNo)

);

insert into Section values('Mahmoud Majed',201800, 001);

insert into Section values('Amr Loay',201840,001);

insert into Section values('Karam Farouq',201830,001);

insert into Section values('Taha Ahmad',201800,002);

insert into Section values('Yousef Taiseer',201840,002);

create table Adopt(SecNumber int,

CourseNo int,

AdoptionID int,

FOREIGN KEY (SecNumber) REFERENCES Section(SecNumber),

FOREIGN KEY (CourseNo) REFERENCES Section(CourseNo),

FOREIGN KEY (AdoptionID) REFERENCES TextbookAdoptions(AdoptionID)

);

insert into Adopt values(001, 201850, 002);

insert into Adopt values(002, 201830, 003);

insert into Adopt values(002, 201800, 004);

insert into Adopt values(001, 201850, 001);