

## CS306 PROJECT STEP 2

### TABLE SCHEMAS OF SUPERMARKET DATABASE IN SQL

CREATE TABLE Employees(

ssn CHAR(10),

ename CHAR(20),

gender CHAR(15),

salary INT,

PRIMARY KEY (ssn))

CREATE TABLE Sales\_Rep(

ssn CHAR(10),

PRIMARY KEY (ssn),

FOREIGN KEY (ssn) REFERENCES Employees(ssn)

ON DELETE CASCADE

ON UPDATE NO ACTION)

CREATE TABLE Managers(

ssn CHAR(10),

email CHAR(30),

PRIMARY KEY (ssn),

UNIQUE(email),

FOREIGN KEY (ssn) REFERENCES Employees(ssn)

ON DELETE CASCADE

ON UPDATE NO ACTION)

```
CREATE TABLE Dep_Policy(  
    ssn CHAR(10) NOT NULL,  
    dpname CHAR(20),  
    age INTEGER,  
    cost REAL,  
    PRIMARY KEY (dpname,ssn),  
    FOREIGN KEY (ssn) REFERENCES Employees(ssn)  
    ON DELETE CASCADE  
    ON UPDATE NO ACTION)
```

```
CREATE TABLE Depart_Man(  
    ssn CHAR(10) NOT NULL,  
    dname CHAR(20),  
    did INT,  
    since DATE,  
    PRIMARY KEY (did),  
    FOREIGN KEY (ssn) REFERENCES Managers(ssn)  
    ON DELETE CASCADE  
    ON UPDATE NO ACTION)
```

```
CREATE TABLE Works_In(  
    ssn CHAR(10) NOT NULL,  
    did INT NOT NULL,  
    PRIMARY KEY (ssn,did),  
    FOREIGN KEY (ssn) REFERENCES Sales_Rep(ssn)
```

ON DELETE CASCADE  
ON UPDATE NO ACTION,  
FOREIGN KEY (did) REFERENCES Depart\_Man(did)  
ON DELETE CASCADE  
ON UPDATE CASCADE)

CREATE TABLE suppliers(  
    sname CHAR(100),  
    PRIMARY KEY (sname))

CREATE TABLE IF NOT EXISTS Product\_Stores\_Supply  
(  
    pid INT,  
    pname CHAR(200),  
    brand CHAR(200),  
    price REAL,  
    did INT NOT NULL,  
    sname CHAR(100) NOT NULL,  
    PRIMARY KEY (pid),  
    FOREIGN KEY (did) REFERENCES Dept\_Man(did)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE,  
    FOREIGN KEY (sname) REFERENCES suppliers (sname)  
    ON DELETE NO ACTION  
    ON UPDATE CASCADE)

```
CREATE TABLE customer(  
    cid CHAR(10),  
    cname CHAR(30),  
    phone CHAR(20),  
    PRIMARY KEY (cid))
```

```
CREATE TABLE IF NOT EXISTS Buys  
(  
    pid INT NOT NULL,  
    cid CHAR(10),  
    PRIMARY KEY (pid,cid),  
    FOREIGN KEY(pid) REFERENCES Product_Stores_Supply(pid)  
    ON DELETE NO ACTION  
    ON UPDATE CASCADE,  
    FOREIGN KEY (cid) REFERENCES customer(cid)  
    ON DELETE CASCADE  
    ON UPDATE NO ACTION)
```

### **GROUP MEMBERS:**

- 1) Mustafa Aydın
- 2) Rana Bengisu Kalkan
- 3) Faik Kerem Örs
- 4) Büşra Öz
- 5) Ferhat Yaman