

# ComS 363

## Homework 1

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1)

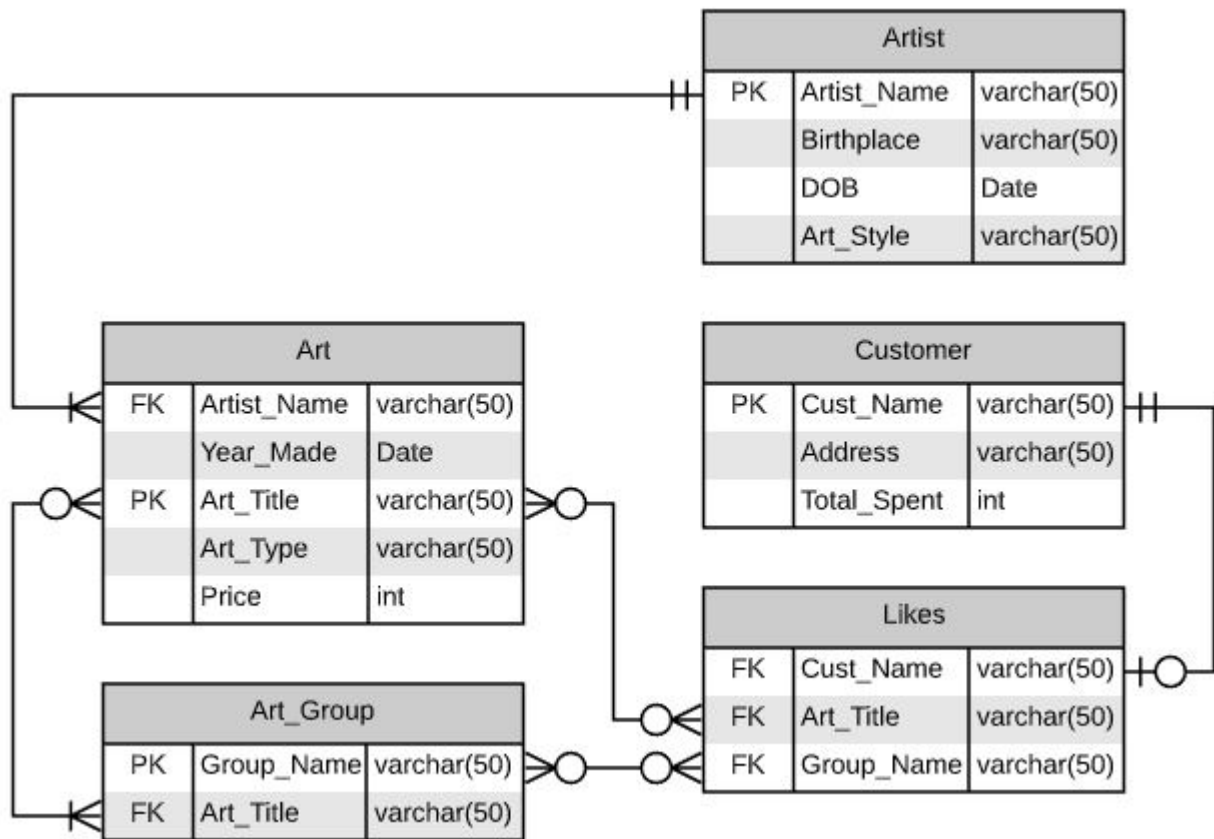
```
CREATE TABLE Artist (  
    Artist_Name VARCHAR(50),  
    Birthplace VARCHAR(50),  
    DOB DATE,  
    Art_Style VARCHAR(50),  
  
    PRIMARY KEY (Artist_Name)  
);
```

```
CREATE TABLE Art (  
    Artist_Name VARCHAR(50),  
    Year_Made DATE,  
    Art_Title VARCHAR(50),  
    Art_Type VARCHAR(50),  
    Price INT,  
  
    PRIMARY KEY (Art_Title),  
    FOREIGN KEY (Artist_Name)  
        REFERENCES Artist  
);
```

```
CREATE TABLE Art_Group (  
    Group_Name VARCHAR(50),  
    Art_Title VARCHAR(50),  
  
    PRIMARY KEY (Group_Name),  
    FOREIGN KEY (Art_Title)  
        REFERENCES Art  
);
```

```
CREATE TABLE Customer (  
    Cust_Name VARCHAR(50),  
    Address VARCHAR(50),  
    Total_Spent INT,  
  
    PRIMARY KEY (Cust_Name)  
);
```

```
CREATE TABLE Likes (  
    Cust_Name VARCHAR(50),  
    Art_Title VARCHAR(50),  
    Group_Name VARCHAR(50),  
  
    FOREIGN KEY (Cust_Name)  
        REFERENCES Customer  
    FOREIGN KEY (Art_Title)  
        REFERENCES Art  
    FOREIGN KEY (Group_Name)  
        REFERENCES Art_Group  
);
```



2)

```
CREATE TABLE Student (  
    First_Name VARCHAR(50),  
    Last_Name VARCHAR(50),  
    Student_ID INT,  
    SSN INT,  
    Curr_Address VARCHAR(50),  
    Phone VARCHAR(11),  
    Perm_Address VARCHAR(50),  
    Perm_Phone VARCHAR(11),  
    DOB DATE,  
    Gender VARCHAR(50),  
  
    PRIMARY KEY (Student_ID)  
);
```

```
CREATE TABLE Department (  
    Name VARCHAR(50),  
    Dep_Code INT,  
    Office_Phone VARCHAR(11),  
    College VARCHAR(50),  
  
    PRIMARY KEY (Dep_Code)  
);
```

```
CREATE TABLE Course (  
    Name VARCHAR(50),  
    Description VARCHAR(50),  
    Course_ID INT,  
    Credit_Hours INT,  
    Course_Level INT,  
    Dep_Code INT,  
  
    PRIMARY KEY (Course_ID),  
    FOREIGN KEY (Dep_Code)  
        REFERENCES Department  
);
```

```
CREATE TABLE Degree (  
    Degree_Level INT,  
    Degree_Name VARCHAR(50),  
    Dep_Code INT,  
  
    PRIMARY KEY (Degree_Name),  
    FOREIGN KEY (Dep_Code)  
        REFERENCES Department  
);
```

```
CREATE TABLE Major (  
    Student_ID INT,  
    Degree_Name VARCHAR(50),  
  
    FOREIGN KEY (Student_ID)  
        REFERENCES Student  
    FOREIGN KEY (Degree_Name)  
        REFERENCES Degree  
);
```

```
CREATE TABLE Minor (  
    Student_ID INT,  
    Degree_Name VARCHAR(50),  
  
    FOREIGN KEY (Student_ID)  
        REFERENCES Student  
    FOREIGN KEY (Degree_Name)  
        REFERENCES Degree  
);
```

```
CREATE TABLE Registered (  
    Student_ID INT,  
    Course_ID INT,  
  
    FOREIGN KEY (Student_ID)  
        REFERENCES Student  
    FOREIGN KEY (Course_ID)  
        REFERENCES Course  
);
```

