

CSCI 327
Homework 4
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a) Display the titles and sales prices of all works sold for more than \$10,000

```
SELECT work.Title, trans.SalesPrice
FROM work join trans on work.workID = trans.WorkID
WHERE trans.SalesPrice > 1000;
```

b) Display the first and last names of all artists whose at least one work sold for more than \$10,000.
Each name must appear only once.

```
SELECT DISTINCT Artist.FirstName, Artist.LastName
FROM Artist NATURAL JOIN
      (Work NATURAL JOIN Trans)
WHERE SalesPrice > 10000;
```

c) Display the first and last names of all customers who bought a painting for more than \$10,000.
Each name must appear only once

```
SELECT DISTINCT Customer.FirstName, Customer.LastName
FROM Customer
JOIN Trans ON Customer.CustomerID = Trans.CustomerID
JOIN Work ON Trans.WorkID = Work.WorkID
WHERE Trans.SalesPrice > 10000;
```

d) Display the First and Last Names and Nationalities of all artists who were born between the years 1850 and 1900.

```
SELECT Artist.FirstName, Artist.LastName, Artist.Nationality
FROM Artist
WHERE Artist.DateOfBirth BETWEEN 1850 AND 1900;
```

e) Display the titles of all paintings that were either painted by a French artist, or bought by a customer from France. Each title must appear once.

```
SELECT DISTINCT Work.Title
FROM Work JOIN Artist ON Work.ArtistID = Artist.ArtistID
WHERE Artist.Nationality like 'French%'
UNION (SELECT DISTINCT work.Title
      FROM Work JOIN Trans ON Work.WorkID = Trans.WorkID
      JOIN Customer ON Trans.CustomerID = Customer.CustomerID
      WHERE Customer.Country like 'French%');
```