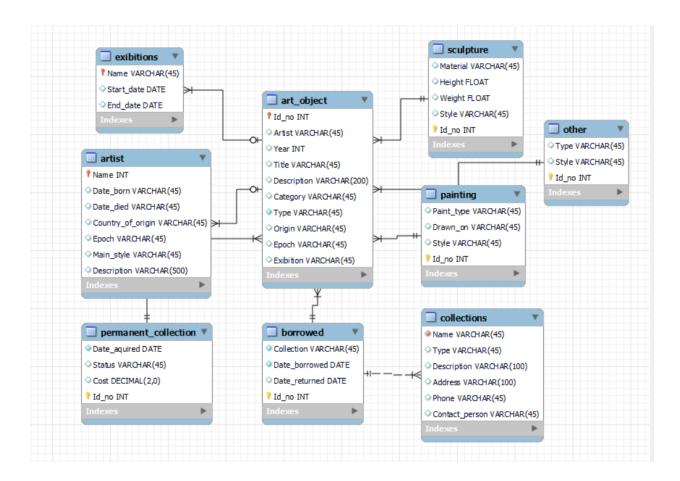
Project Description:

The purpose of this database is to keep track of information for an art museum. The requirements are as follows:

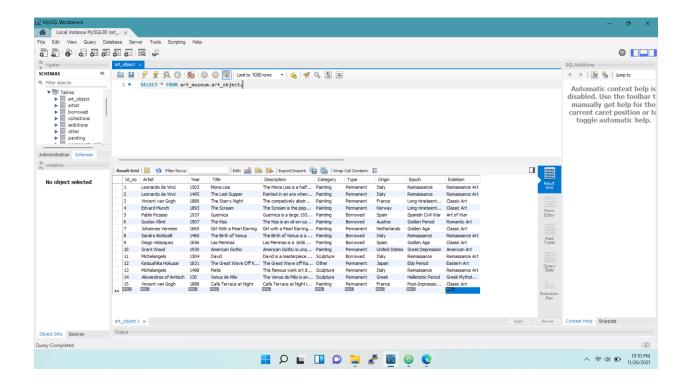
- The museum has a collection of ART_OBJECTS. Each one has a unique Id_no, Artist, Year, Title, and Description. Objects also contain information about the country/culture of Origin, and Epoch.
- Art objects are categorized by their type. There are 3 main types: PAINTING, SCULPTURE, and OTHER.
- A PAINTING has a Paint_type, material on which it is drawn, Drawn_on, and Style.
- A SCULPTURE has a Material, Height, Weight, and Style.
- An ART_OBJECT categorized as OTHER has a Type, and Style.
- ART_OBJECTS are categorized as either PERMANENT_COLLECTION or BORROWED. Objects in the PERMANENT_COLLECTION have information about Date_aquired, Status (on display, on loan, or stored), and Cost. Those that are BORROWED include Collection from which it was borrowed, Date_borrowed, and Date_returned.
- The museum also keeps track of ARTIST information, if it is known including, Name,
 Date_born, Date_died, Country_of_origin, Epoch, Main_style, and Description.
- There are different EXHIBITIONS in the museum, each has a Name, Start_date, and End_date. They are related to all of the art objects that are on display.
- Information is kept about other COLLECTIONS with which the museum interacts; this
 includes Name, Type (museum, personal, etc.), Description, Address, Phone, and the
 current contact person.

Inspiration for this project comes from "Fundamentals of Database Systems 7th Edition" by Ramez Elmasri and Shamkant B. Navathe in pages 138-139.

ER Diagram:



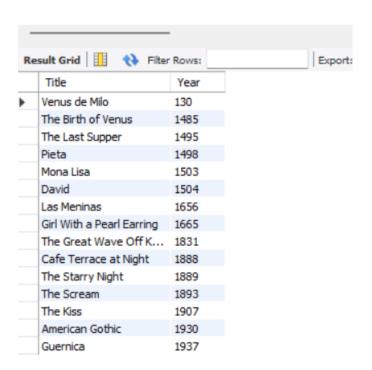
DBMS: MYSQL



Query Examples:

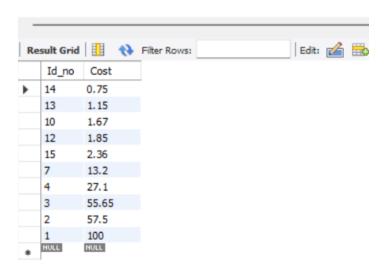
1. Select the title and year piece was created and sort from oldest to most recent.

```
SELECT Title, Year
FROM art_museum.art_object
ORDER BY Year ASC;
```



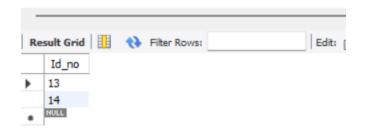
2. List art pieces in museum from least to most expensive (1 = 1 million dollars).

```
1 • SELECT Id_no, Cost
2 FROM art_museum.permanent_collection
3 ORDER BY Cost;
```

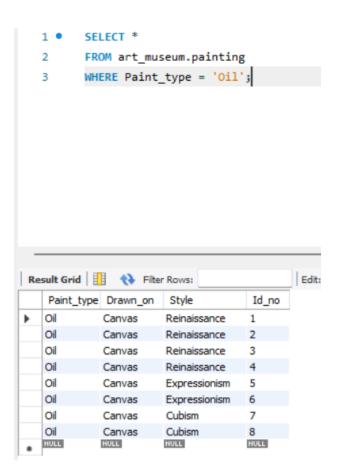


3. Select the art pieces that are made out of Marble.

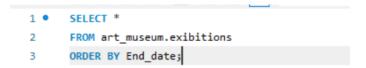
```
SELECT Id_no
FROM art_museum.sculpture
WHERE Material = 'Marble';
```

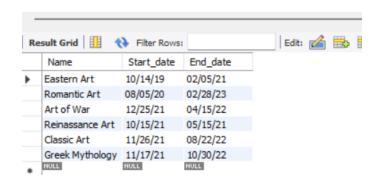


4. Print all of the paintings that were made using Oil paint.

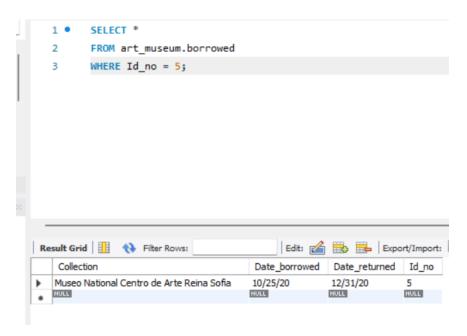


5. Sort exhibitions by their end date. Which will end the longest from now?



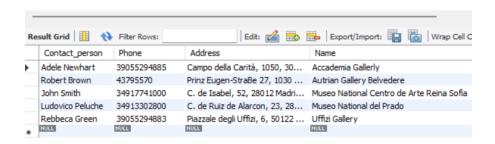


6. Find the collection of the borrowed art piece with Id_no 5.

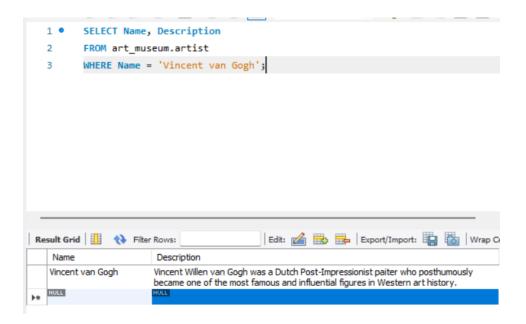


7. List collection information from those that are classified as Museums.

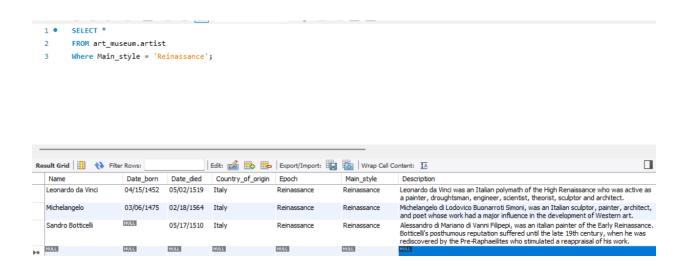
```
SELECT Contact_person, Phone, Address, Name
FROM art_museum.collections
WHERE Type = 'Museum';
```



8. Get the artist description of the artist Vincent van Goh.

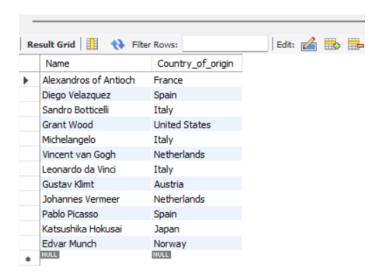


9. Select the artist information front the artists that made art during the Renaissance era.



10. List the artist from oldest to youngest.

```
SELECT Name, Country_of_origin
FROM art_museum.artist
ORDER BY Date_born;
```

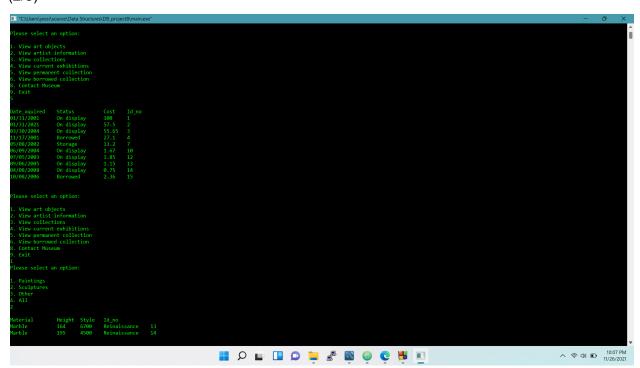


User Interface based on English Queries:

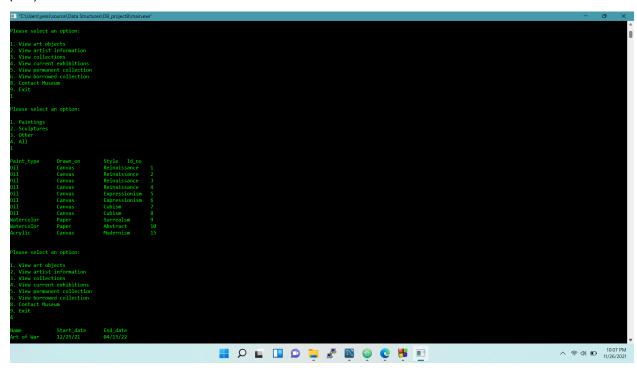
(1/5)

```
Artist
Leonardo da Vinci 1509
Leonardo da Vin
```

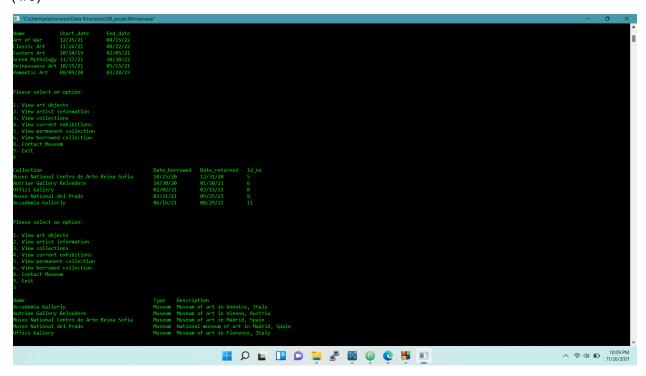
(2/5)



(3/5)



(4/5)



(5/5)

