Solve the below SQL problems using the Famous Paintings & Museum Dataset (added some more questions)

1) Fetch all the paintings which are not displayed on any museums?

2) Retrieve all records from the artist table, displaying only the artist_id, full_name, and nationality.

3) Are there museums without any paintings?

4) Find the total number of paintings in the dataset.

5) How many paintings have an asking price of more than their regular price?

6) List all distinct painting styles available in the dataset.

7) Identify the paintings whose asking price is less than 50% of its regular price

8) Which canva size costs the most?

9) Delete duplicate records from work, product_size, subject and image_link tables

10) Identify the museums with invalid city information in the given dataset

11) Museum_Hours table has 1 invalid entry. Identify it and remove it.

12) Fetch the top 10 most famous painting subject

13) Identify the museums which are open on both Sunday and Monday. Display museum name, city.

14) How many museums are open every single day?

15) Which are the top 5 most popular museum? (Popularity is defined based on most no of paintings in a museum)

16) Who are the top 5 most popular artist? (Popularity is defined based on most no of paintings done by an artist)

17) Display the 3 least popular canvas sizes

18) Which museum is open for the longest during a day? Display museum name, state and hours open and which day?

19) Which museum has the most no of most popular painting style?

20) Identify the artists whose paintings are displayed in multiple countries

21) Display the country and the city with most no of museums. Output 2 separate columns to mention the city and country. If there are multiple value, separate them with comma.

22) Identify the artist and the museum where the most expensive and least expensive painting is placed. Display the artist name, sale_price, painting name, museum name, and museum city and canvas label

23) Which country has the 5th highest no of paintings?

24) Retrieve the name and sale price of paintings that are priced above the average sale price.

25) Which are the 3 most popular and 3 least popular painting styles?

26) Which artist has the most no of Portraits paintings outside USA?. Display artist name, no of paintings and the artist nationality.

27) Identify the artists who have more than 5 paintings in the dataset.

28) Retrieve all paintings and their corresponding museums, ensuring that paintings with no museum assignments are also included.

29) List the paintings and their sale price in descending order.

30) Rank the museums based on the total number of paintings they display.

31) Find the museum that has the highest total sale value of paintings.