**problem statements:**

1. Fetch all the paintings which are not displayed on any museums.
2. Are there museums without any paintings?
3. How many paintings have an asking price of more than their regular price?
4. Identify the paintings whose asking price is less than 50% of its regular price.
5. Which canvas size costs the most?
6. Delete duplicate records from work, product\_size, subject, and image\_link tables.
7. Identify the museums with invalid city information in the given dataset.
8. Museum\_Hours table has 1 invalid entry. Identify it and remove it.
9. Fetch the top 10 most famous painting subjects.
10. Identify the museums which are open on both Sunday and Monday. Display museum name and city.
11. How many museums are open every single day?
12. Which are the top 5 most popular museums? (Popularity is defined based on the most number of paintings in a museum.)
13. Who are the top 5 most popular artists? (Popularity is defined based on the most number of paintings done by an artist.)
14. Display the 3 least popular canvas sizes.
15. Which museum is open for the longest during a day? Display the museum name, state, and hours open, along with the day.