

GITHUB : PRADEEP00000

SQL ARTWORK ANALYSIS

20 PRACTICE QUESTIONS

CANVA STORIES
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```
1 • create schema university;
2 • select * from university.artworks;
3
4 #1. List All Artworks
5 • select * from university.artworks;
6
7 #2. Find All Artworks by Otto Wagner
8 • select * from university.artworks
9   where Artist = 'Otto Wagner';
```

10


```
11  #3. Retrieve Artworks Created in the 20th Century
12 • select * from university.artworks
13   where Date between 1900 and 1999;
14
15  #4. Get Unique Artists
16 • select distinct Artist from university.artworks;
17
18  #5. Count the Number of Artworks in the Dataset
19 • select count(*) from university.artworks;
20
```

```
21  #6. List Artworks Where Medium Contains 'Ink'
22 • select * from university.artworks
23   where Medium like '%Ink%';
24
25  #7. Find Artworks by Artists Born Before 1900
26 • select * from university.artworks
27   where BeginDate <1900;
28
29  #8. Count Artworks Grouped by Nationality
30 • select Nationality , count(Nationality)
31   from university.artworks
32  group by Nationality;
33
```

```
34  #9. Get Artworks with a Height Greater Than 50 cm
35 • select * from university.artworks
36   where `Height (cm)` > 50;
37
38  #10. Find Artworks Not on View
39 • select * from university.artworks
40   where OnView is null;
41
```



```
42  #11. List Top 5 Most Common Mediums Used
43 • select Medium , count(Medium) as Count
44   from university.artworks
45  group by Medium
46  order by Count desc
47  limit 5;
48
49  #12. Retrieve Artworks with Missing Depth
50 • select * from university.artworks
51   where `Depth (cm)` is null;
52
```

53 #13. Find Artists with More Than 3 Artworks

54 • `select Artist , count(Artist) as Count`

55 `from university.artworks`

56 `group by Artist`

57 `having Count >3;`

58

59 #14. Calculate Average Height of Artworks by Artist

60 • `select Artist , avg(`Height (cm)`)`

61 `from university.artworks`

62 `group by Artist;`

63

```
64 #15. List Artworks with More Than One Medium Mentioned
65 • select * from university.artworks
66 where Medium like '%,%';
67
68 #16. Retrieve Artworks Created by Female Artists
69 • select * from university.artworks
70 where Gender = '(female)';
71
72 #17. Find the Latest Created Artwork
73 • select * from university.artworks
74 order by Date desc
75 limit 1;
76
```



```
77 #18. List Artworks by Artists Austrian Nationalities
78 • select * from university.artworks
79 where Nationality = '(Austrian)';
80
81 #19. Identify Artworks by Artists Born in the Same Year
82 • select Artist , BeginDate
83 from university.artworks
84 group by Artist , BeginDate
85 having count(Artist) > 1;
86
```

```
87 #20. Calculate Total Number of Artworks for Each Century
88 • select
89     case
90         when date < 1800 then '18th century or earlier'
91         when date between 1800 and 1899 then '19th century'
92         when date between 1900 and 1999 then '20th century'
93         else '21st century'
94     end as century,
95     count(*) as total_artworks
96 from university.artworks
97 group by century;
98
```