MySQL practice worksheet

1. Write a query to find all customers with the first name 'John'.
2. Create a query to sort customers alphabetically by their last name in ascending order.
3. Write a query that updates the email address of a customer with CustomerKey 12345 to 'newemail@example.com'.
4. Create a query to calculate the average annual income of customers.
5. Write a query to find customers who were born in the year 1980.
6. Create a query that counts the number of customers with a specific marital status (e.g., Single).
7. Write a query to update the marital status of customers with a specific prefix (e.g., Mr.) to 'Married'.
8. Create a query to calculate the total number of customers with a specific education level (e.g., Bachelor's degree).
9. Write a query that counts the number of customers in each occupation category.
10. Create a query to find the oldest customer in the dataset based on their birthdate.
11. Write a query to find customers who have at least two children.
12. Create a query that calculates the sum of annual income for customers with a specific gender (e.g., Male).
13. Write a query to find customers with an annual income between $50,000 and $100,000.
14. Create a query that extracts the first three characters of the first name for each customer.
15. Write a query to find customers with a specific prefix (e.g., Dr.) and a specific education level (e.g., Master's degree).
16. Create a query to count the number of customers in each gender category.
17. Write a query that updates the prefix of all customers with CustomerKey greater than 10000 to 'Ms.'.
18. Create a query to find the average age of customers with a specific annual income range (e.g., $75,000 - $100,000).
19. Write a query to find customers who were born on a specific day of the week (e.g., Monday).
20. Create a query that identifies customers who have not provided their email address.
21. Write a query to find customers with an odd-numbered CustomerKey.
22. Create a query to calculate the average annual income of customers with a specific occupation (e.g., Engineer).
23. Write a query to find the customer with the highest annual income.
24. Create a query that sorts customers by their annual income in descending order.
25. Write a query to find customers with a specific suffix in their email address (e.g., @gmail.com).
26. Create a query to calculate the total number of customers in the dataset.
27. Write a query that calculates the number of customers with each marital status within a specific gender group (e.g., Male).
28. Create a query to find customers whose first name contains a specific letter (e.g., 'a').
29. Write a query to count the number of customers with an even-numbered CustomerKey.
30. Create a query to find customers who were born in a specific month (e.g., May).
31. Write a query to find customers with a specific occupation and a specific education level.
32. Create a query that finds the customer with the lowest annual income.
33. Write a query to sort customers by their birthdate in descending order.
34. Create a query that counts the number of customers with each occupation within a specific annual income range (e.g., $50,000 - $75,000).
35. Write a query to find customers whose last name starts with a specific letter (e.g., 'S').
36. Create a query to calculate the total annual income of customers with a specific marital status (e.g., Married).
37. Write a query that updates the first name of a specific customer to 'Jane'.
38. Create a query to find customers who were born before a specific year (e.g., 1990).
39. Write a query to calculate the number of customers in each education level category.
40. Create a query that counts the number of customers with each gender within a specific occupation (e.g., Manager).
41. Write a query to find customers with a specific first name and last name combination (e.g., John Smith).
42. Create a query to identify customers who have provided their email address.
43. Write a query to calculate the average annual income of customers with a specific marital status and gender combination (e.g., Married and Female).
44. Create a query to find customers with an annual income that is a multiple of 10,000.
45. Write a query to sort customers by their total number of children in ascending order.
46. Create a query to find customers whose first name starts with a vowel.
47. Write a query to calculate the average age of customers with a specific occupation and education level combination (e.g., Engineer and Bachelor's degree).
48. Create a query to find customers who were born after a specific year (e.g., 2000).
49. Write a query to identify customers with a specific number of children (e.g., 3).
50. Create a query to count the number of customers with a specific email domain (e.g., @yahoo.com).
51. Write a query to find customers whose annual income is within a specific range (e.g., $50,000 - $75,000).
52. Create a query to sort customers by their email address in ascending order.
53. Write a query to find customers with an annual income that ends with a specific digit (e.g., 5).
54. Create a query to calculate the total number of customers with a specific marital status and gender combination (e.g., Single and Male).
55. Write a query to find customers whose last name contains a specific substring (e.g., 'son').
56. Create a query to identify customers who have provided their birthdate.
57. Write a query to calculate the average annual income of customers with a specific marital status and occupation combination (e.g., Married and Manager).
58. Create a query to sort customers by their occupation in descending order.
59. Write a query to find customers who were born on a specific date (e.g., January 1, 1980).
60. Create a query to count the number of customers with a specific first name and last name combination (e.g., Mary Johnson).
61. Write a query to find customers with a specific email address length (e.g., 10 characters).
62. Create a query to calculate the total annual income of customers with a specific education level and occupation combination (e.g., Master's degree and Engineer).
63. Write a query to find customers whose last name ends with a specific suffix (e.g., 'Jr.').
64. Create a query to sort customers by their annual income in ascending order.
65. Write a query to identify customers with an even-numbered CustomerKey who were born in a specific month (e.g., June).
66. Create a query to calculate the average age of customers with a specific first name and marital status combination (e.g., Mark and Single).
67. Write a query to find customers whose annual income contains a specific number (e.g., 7).
68. Create a query to count the number of customers with a specific occupation and education level combination (e.g., Sales Representative and Bachelor's degree).
69. Write a query to find customers who were born before a specific date (e.g., January 1, 1990).
70. Create a query to sort customers by their total number of children in descending order.
71. Write a query to calculate the average annual income of customers with a specific marital status and occupation combination (e.g., Married and Sales Representative).
72. Create a query to identify customers who have made a purchase within a specific date range (e.g., January 1, 2020 - March 31, 2020).
73. Write a query to find customers whose first name contains a specific number of vowels (e.g., 2).
74. Create a query to count the number of customers with a specific gender and annual income range combination (e.g., Male and $75,000 - $100,000).
75. Write a query to sort customers by their education level in ascending order.
76. Create a query to calculate the total annual income of customers with a specific marital status and gender combination (e.g., Married and Female).
77. Write a query to find customers whose last name starts with a specific letter and ends with a specific letter (e.g., starts with 'S' and ends with 'n').
78. Create a query to identify customers who have made purchases from a specific store location.
79. Write a query to find customers with a specific number of characters in their email address (e.g., 15 characters).
80. Create a query to calculate the average annual income of customers with a specific occupation and education level combination (e.g., Engineer and Master's degree).
81. Write a query to sort customers by their annual income in descending order within each occupation category.
82. Create a query to find customers whose first name contains a specific consonant (e.g., 't').
83. Write a query to calculate the total number of customers with a specific marital status and annual income range combination (e.g., Single and $50,000 - $75,000).
84. Create a query to find customers whose last name contains a specific number of syllables (e.g., 2 syllables).
85. Write a query to sort customers by their birthdate in ascending order within each occupation category.
86. Create a query to calculate the average annual income of customers with a specific marital status and education level combination (e.g., Married and Bachelor's degree).
87. Write a query to find customers whose email address contains a specific special character (e.g., '@').
88. Create a query to identify customers who have made purchases from multiple store locations.
89. Write a query to calculate the total annual income of customers with a specific occupation and gender combination (e.g., Manager and Male).
90. Create a query to find customers whose first name starts with a specific letter and ends with a specific letter (e.g., starts with 'A' and ends with 'a').
91. Write a query to sort customers by their total number of children in descending order within each marital status category.
92. Create a query to calculate the average age of customers with a specific education level and gender combination (e.g., Master's degree and Female).
93. Write a query to find customers whose last name starts with a specific prefix (e.g., 'Mc').
94. Create a query to identify customers who have made purchases of a specific product category (e.g., electronics).
95. Write a query to calculate the total annual income of customers with a specific marital status and education level combination (e.g., Single and Bachelor's degree).
96. Create a query to find customers whose email address domain is a specific number of characters long (e.g., 10 characters).
97. Write a query to sort customers by their annual income in ascending order within each education level category.
98. Create a query to calculate the average age of customers with a specific occupation and marital status combination (e.g., Engineer and Married).
99. Write a query to find customers whose first name ends with a specific suffix (e.g., 'Jr.').
100. Create a query to identify customers who have made purchases on a specific day of the week (e.g., Sunday).