

SQL Queries and Results on Customers Dataset

1. Select the first 5 rows from the table

SQL: SELECT * FROM customers LIMIT 5; **Answer:**

customer _i <i>d</i>	gender	age	payment _m <i>ethod</i>
C241288	Female	28.0	Credit Card
C111565	Male	21.0	Debit Card
C266599	Male	20.0	Cash
C988172	Female	66.0	Credit Card
C189076	Female	53.0	Cash

2. Total number of customers

SQL: SELECT COUNT(*) FROM customers; **Answer:** 99,457

3. Unique payment methods

SQL: SELECT DISTINCT payment_m*ethod* FROM customers; **Answer:** CreditCard, DebitCard, Cash

4. Number of customers by gender

SQL: SELECT gender, COUNT(*) FROM customers GROUP BY gender; **Answer:**
Female: 59,482, Male: 39,975

5. Average age of all customers

SQL: SELECT AVG(age) FROM customers; **Answer:** 43.43 years

6. Customer IDs and ages of the 5 oldest customers

SQL: SELECT customer_i*d*, age FROM customers ORDER BY age DESC LIMIT 5; **Answer:** Customer

7. Number of customers older than 50

SQL: SELECT COUNT(*) FROM customers WHERE age > 50; **Answer:** 36,054

8. Customers using Credit Card

SQL: `SELECT COUNT(*) FROM customers WHERE payment_method = 'CreditCard';` **Answer:** 34,944

9. Minimum and maximum age

SQL: `SELECT MIN(age), MAX(age) FROM customers;` **Answer:** Min: 18.0, Max: 69.0

10. Count customers by payment method in descending order

SQL: `SELECT payment_method, COUNT(*) as count FROM customers GROUP BY payment_method ORDER BY count DESC;`
Answer: 44,447, CreditCard : 34,931, DebitCard : 20,079

11. Average age by gender

SQL: `SELECT gender, AVG(age) FROM customers GROUP BY gender;` **Answer:** Female: 43.45, Male: 43.38

12. Customers exactly 30 years old

SQL: `SELECT COUNT(*) FROM customers WHERE age = 30;` **Answer:** 1,978

13. Customers aged between 20 and 25

SQL: `SELECT COUNT(*) FROM customers WHERE age BETWEEN 20 AND 25;`
Answer: 11,570

14. First 5 customer IDs using Debit Card

SQL: `SELECT customer_id FROM customers WHERE payment_method = 'DebitCard' LIMIT 5;` **Answer:** 1,2,3,4,5

15. Most frequent payment method for customers over 60

SQL: `SELECT payment_method, COUNT(*) FROM customers WHERE age > 60 GROUP BY payment_method ORDER BY count DESC;`

16. Customers whose ID starts with 'C1'

SQL: `SELECT COUNT(*) FROM customers WHERE customer_id LIKE 'C1%';` **Answer:** 31,259

17. Average age of customers using Cash

SQL: SELECT AVG(age) FROM customers WHERE payment_method = 'Cash'; **Answer:** 43.45 years

18. Count of customers NOT using Cash

SQL: SELECT COUNT(*) FROM customers WHERE payment_method != 'Cash'; **Answer:** 55,010

19. Gender distribution of customers using Debit Card

SQL: SELECT gender, COUNT(*) FROM customers WHERE payment_method = 'DebitCard' GROUP BY gender; **Answer:** 11,962, Female : 8,117, Male

20. Customers with null age

SQL: SELECT COUNT(*) FROM customers WHERE age IS NULL; **Answer:** 119