```
-- ACTIVATING THE DATABASE
USE AD_ASSIGNMENT;

-- CREATING A TABLE IN DATABASE
CREATE OR REPLACE TABLE AD_customers
(
customer_id INT PRIMARY KEY,
first_name VARCHAR(50),
last_name VARCHAR(50),
gender VARCHAR(10),
city VARCHAR(50),
age INT
);

-- INSERING VALUES INTO THE TABLE

INSERT INTO AD_customers (customer_id, first_name, last_name, gender, city, age)
VALUES
(1, 'John', 'Doe', 'Male', 'New York', 35),
(2, 'Jane', 'Smith', 'Female', 'Los Angeles', 28),
(3, 'Michael', 'Johnson', 'Male', 'Chicago', 45),
(4, 'Emily', 'Davis', 'Female', 'Houston', 22),
(5, 'David', 'Wilson', 'Male', 'Miami', 40),
(6, 'Lisa', 'Brown', 'Female', 'New York', 32),
(7, 'William', 'Lee', 'Male', 'Los Angeles', 29),
(8, 'Sarah', 'White', 'Female', 'Chicago', 50),
(9, 'James', 'Harris', 'Male', 'Houston', 37),
(10, 'Maria', 'Martin', 'Female', 'Miami', 24);

-- CHECKING IF ROWS ARE INSERTED
SELECT * FROM AD_CUSTOMERS;
```

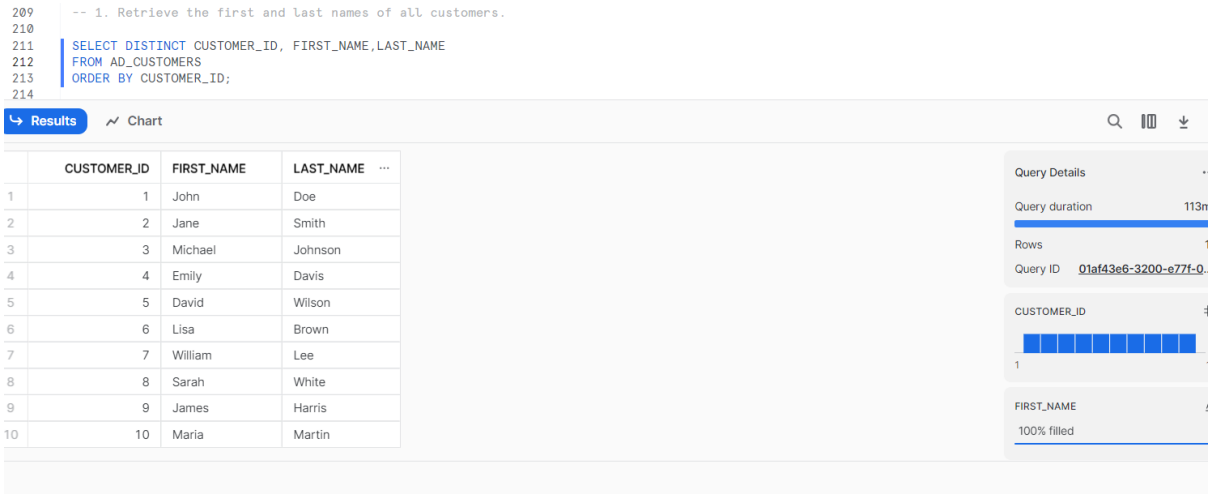
-- COUNTING HE NO OF ROWS

```
SELECT COUNT(*) FROM AD_CUSTOMERS;
```

-- QUESTION AND ANSWERS

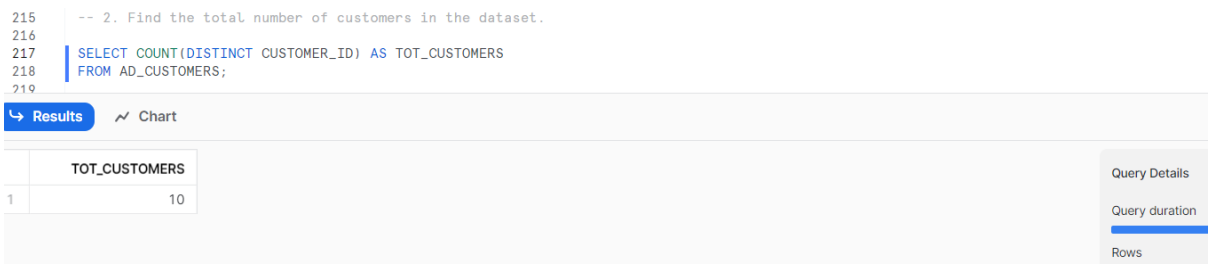
-- 1. Retrieve the first and last names of all customers.

```
SELECT DISTINCT CUSTOMER_ID, FIRST_NAME,LAST_NAME
FROM AD_CUSTOMERS
ORDER BY CUSTOMER_ID;
```



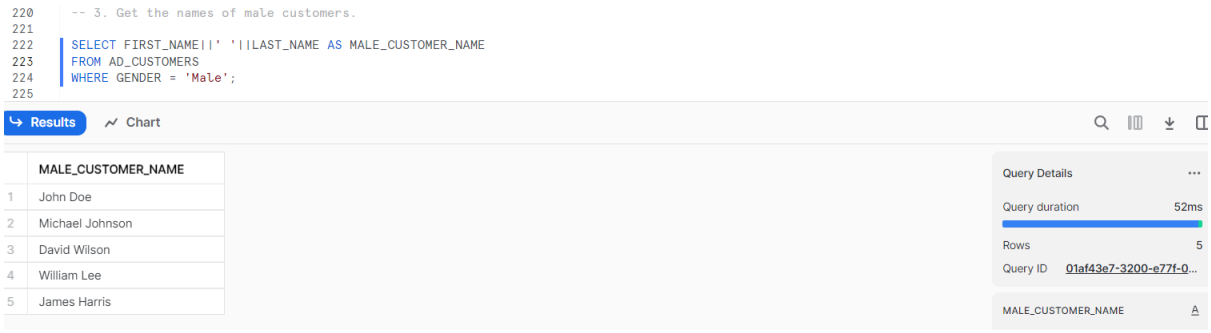
-- 2. Find the total number of customers in the dataset.

```
SELECT COUNT(DISTINCT CUSTOMER_ID) AS TOT_CUSTOMERS
FROM AD_CUSTOMERS;
```



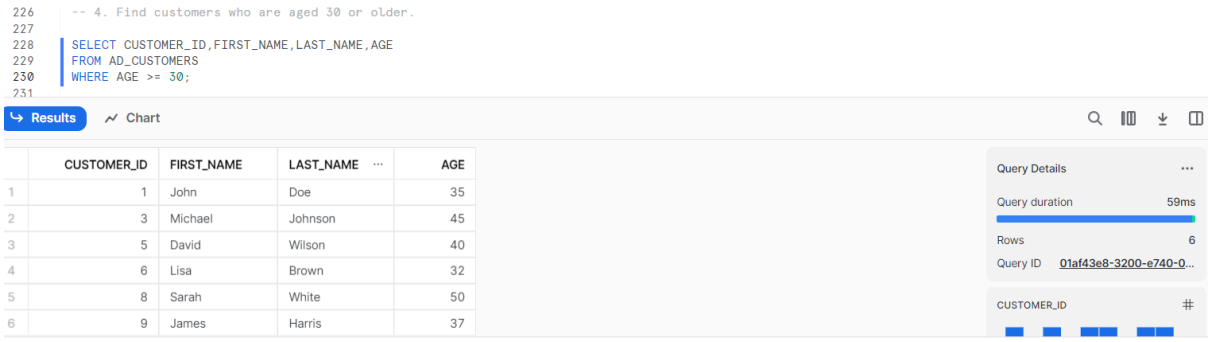
-- 3. Get the names of male customers.

```
SELECT FIRST_NAME||' '||LAST_NAME AS MALE_CUSTOMER_NAME
FROM AD_CUSTOMERS
WHERE GENDER = 'Male';
```



-- 4. Find customers who are aged 30 or older.

```
SELECT CUSTOMER_ID,FIRST_NAME,LAST_NAME,AGE
FROM AD_CUSTOMERS
WHERE AGE >= 30;
```



-- 5. List customers from New York.

```
SELECT CUSTOMER_ID,FIRST_NAME,LAST_NAME,CITY
FROM AD_CUSTOMERS
WHERE UPPER(CITY) IN('NEW YORK');
```

```sql
-- 5. List customers from New York.

SELECT CUSTOMER_ID,FIRST_NAME,LAST_NAME,CITY
FROM AD_CUSTOMERS
WHERE UPPER(CITY) IN('NEW YORK');
```

Results | Chart

	CUSTOMER_ID	FIRST_NAME	LAST_NAME	CITY
1	1	John	Doe	New York
2	6	Lisa	Brown	New York

-- 6. Retrieve customers whose first name starts with 'J'.

```sql
SELECT CUSTOMER_ID,FIRST_NAME,LAST_NAME
FROM AD_CUSTOMERS
WHERE UPPER(FIRST_NAME) LIKE 'J%'
;
```

```sql
-- 6. Retrieve customers whose first name starts with 'J'.

SELECT CUSTOMER_ID,FIRST_NAME,LAST_NAME
FROM AD_CUSTOMERS
WHERE UPPER(FIRST_NAME) LIKE 'J%'
;
```

Results | Chart

	CUSTOMER_ID	FIRST_NAME	LAST_NAME
1	1	John	Doe
2	2	Jane	Smith
3	9	James	Harris

-- 7. Find customers aged between 25 and 35 (inclusive).

```sql
SELECT CUSTOMER_ID,FIRST_NAME,LAST_NAME,AGE
FROM AD_CUSTOMERS
WHERE AGE BETWEEN 25 AND 35;
```

```sql
-- 7. Find customers aged between 25 and 35 (inclusive).

SELECT CUSTOMER_ID,FIRST_NAME,LAST_NAME,AGE
FROM AD_CUSTOMERS
WHERE AGE BETWEEN 25 AND 35;
```

Results | Chart

	CUSTOMER_ID	FIRST_NAME	LAST_NAME
1	1	John	Doe
2	2	Jane	Smith
3	9	James	Harris

Query Details

Query duration

Rows

Query ID 01af4

CUSTOMER_ID

-- 8. Get female customers from Los Angeles or male customers from Chicago.

SELECT CUSTOMER_ID,FIRST_NAME,LAST_NAME,GENDER,CITY

FROM AD_CUSTOMERS

WHERE (GENDER = 'Female' AND CITY = 'Los Angeles')OR(GENDER = 'Male' AND CITY = 'Chicago');

```sql
-- 8. Get female customers from Los Angeles or male customers from Chicago.

SELECT CUSTOMER_ID,FIRST_NAME,LAST_NAME,GENDER,CITY
FROM AD_CUSTOMERS
WHERE (GENDER = 'Female' AND CITY = 'Los Angeles')OR(GENDER = 'Male' AND CITY = 'Chicago');
```

Results | Chart

	CUSTOMER_ID	FIRST_NAME	LAST_NAME
1	1	John	Doe
2	2	Jane	Smith
3	9	James	Harris

Query Details

Query duration

Rows

Query ID 01a

CUSTOMER_ID

-- 9. List customers who are either from Miami or aged 50 or older.

SELECT CUSTOMER_ID,FIRST_NAME,LAST_NAME,CITY,AGE

FROM AD_CUSTOMERS

WHERE CITY ='Miami' OR AGE >= 50;

```sql
-- 9. List customers who are either from Miami or aged 50 or older.

SELECT CUSTOMER_ID,FIRST_NAME,LAST_NAME,CITY,AGE
FROM AD_CUSTOMERS
WHERE CITY ='Miami' OR AGE >= 50;
```

Results | Chart

	CUSTOMER_ID	FIRST_NAME	LAST_NAME
1	1	John	Doe
2	2	Jane	Smith
3	9	James	Harris

Query Details

Query duratio

Rows

Query ID 0

CUSTOMER_ID

-- 10. Find customers with names 'John' or 'Jane' and aged less than 30.

SELECT CUSTOMER_ID,FIRST_NAME,LAST_NAME,AGE

FROM AD_CUSTOMERS

WHERE FIRST_NAME IN ('John','Jane') AND AGE <30;