S3 – UNION INTERSECT EXPECT

# What you will know:

LIKE - DISTINCT - UNION – UNION ALL -

Open [this online SQL editor](https://www.w3schools.com/sql/trysql.asp?filename=trysql_op_in)

Look at the content of the **Customers** table, using a SQL command or by clicking on the link on the right side

**Q1**

Show all the **different** countries the customers comes from

Expected columns:

Country

**Your query:**

**SELECT Country FROM Customers**

**UNION**

**SELECT Country FROM Customers;**

**Q2**

Show all the customers from Germany whose name starts with "D"

Expected columns:

CustomerName Country

**Your query:**

SELECT CustomerName,Country FROM Customers

WHERE Country = "Germany"

LIKE CustomerName "D%";

**Q3**

Show all customers from Germany whose name starts with "D", **together with** all customers from Mexico whose name **does not** start with "A"

Expected columns:

CustomerName Country

**Your query:**

**Q3-bis**

Can you express the same querry using without the UNION key word ?

**Q4**

Show all customers from Germany whose id is before 40, together with all customers from Mexico whose id is greater than 50

Expected columns:

CustomerName Country

**Your query:**

**Q5**

Show all customers from France whose name starts with ‘B’ together with customers from France who do not come from Paris

Note: Customer from France, coming from Paris and having a name starting with “B” shall appear only once on this result

Expected columns:

CustomerName City Country

**Your query:**

**Q6**

Show all customers from France whose name starts with ‘B’ together with customers from France who do not come from Paris

Note: Customer from France, coming from Paris and having a name starting with “B” shall appear 2 times on this result

Expected columns:

CustomerName City Country

**Your query:**

**Q7**

Display the different cities of customers from France or whose name starts with “B”

You **shall not use** UNION

Expected columns:

City

**Your query:**

**Q8**

Do the same exercise, but this time you **shall use** UNION

Expected columns:

City

**Your query:**