C3-S2-PRACTICE

# Instructions: : you can use your favorite SQL editor

**Exercise 1:** [**Databases on W3School**](https://www.w3schools.com/sql/trysql.asp?filename=trysql_select_all) **(on the right side)**

1. **Selecting**

Write statements to extract data from all tables from w3shool order at least one column by ASC and other one by DESC.

1. **Customers** : select \* from customers order by customername DESC;

select \* from customers order by country ASC;

1. **Categories :**
2. **Employees :**
3. **OrderDetails :**
4. **Orders :**
5. **Products :**
6. **Shippers :**
7. **Suppliers :**
8. **Where clause** 
   1. Write a statement to extract all data from products where the price equal to 19.5.
   2. Write a statement to extract all data from ordereDetail where the Quantity greater than 10.
   3. Write a statement to extract all data from shippers where the shipperid less than 3.
   4. Write a statement to extract all data from products where the price is Greater than or equal to 40.
   5. Write a statement to extract all data from products where SupplierID is Less than or equal to 9.
   6. Write a statement to extract all data from customers except “Canana”.
   7. Write a statement to extract all data from products where the price is between 10 to 30.
   8. Write a statement to extract all data from customers where the customername start with letter O.
   9. Write a statement to extract all data from suppliers where the country is in “USA, Italy,France”

**Exercise 2**

**Nobels Table**

year subject winner country category

1970 Chemistry Luis Federico Leloir France

1971 Chemistry Gerhard Herzberg Germany

1999 Physics Rith Nhel Cambodia scientist

2020 physics Hannes Alfven Sweden scientist

2020 economics Robert solow USA economist

2020 computer science Ronan Ogor France best teacher

Q1 Write a SQL query to know the winner of the 1971 prize for Literature.

Expected result:

winner

Pablo Neruda

**Your query:**

Q2 Write a SQL query to show all the details (year, subject, winner, country) of the Chemistry prize winners between the years 1965 to 1975 inclusive

Expected result:

year subject winner country

1970 Chemistry Luis Federico Leloir France

1971 Chemistry Gerhard Herzberg Germany

**Your query:**

Q3 Write a SQL query to show all details of the Prime Ministerial winners after 1972, among the following winners: Menachem Begin and Yitzhak Rabin

Expected result:

year subject winner country category

1978 Peace Menachem Begin Israel Prime Minister

1994 Peace Yitzhak Rabin Israel Prime Minister

**Your query:**

Q4 Show all the winners of Nobel Prize in the year 1970 except the subject Physiology and Economics

Expected result:

year subject winner country category

1970 Physics Hannes Alfven Sweden Scientist

1970 Physics Louis Neel France Scientist

1970 Chemistry Luis Federico Leloir France Scientist

1970 Literature Aleksandr Solzhenitsyn Russia Linguist

**Your query:**

Q5 Write a query in SQL to find the last name of all categories, without duplicates

Expected result:

category

Scientist

Economist

Chancellor

Linguist

President

Prime Minister

**Your query:**

Q6 Display the name of winners of category Linguist - Results shall be **sorted** according to name of the winners

Expected result:

Winner

Aleksandr Solzhenitsyn

Joseph Brodsky

Kenzaburo Oe

Pablo Neruda

**Your query:**