Practice 1

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
1	Alfreds Futterkiste	Maria Anders	Obere Str. 57	Berlin	12209	Germany
2	Ana Trujillo Emparedados y helados	Ana Trujillo	Avda. de la Constitución 2222	México D.F.	05021	Mexico
3	Antonio Moreno Taquería	Antonio Moreno	Mataderos 2312	México D.F.	05023	Mexico
4	Around the Horn	Thomas Hardy	120 Hanover Sq.	London	WA1 1DP	UK
5	Berglunds snabbköp	Christina Berglund	Berguvsvägen 8	Luleå	S-958 22	Sweden

1. Get all the columns from the `Customers` table
2. Write a statement that will select the City column from the Customers table.
3. Select all the different values from the Country column in the Customers table.
4. Select all records where the City column has the value “Berlin”.
5. Select all records where the CustomerID column has the value 32.
6. Select all records where the City column has the value ‘Berlin’ and the PostalCode column has the value ‘12209’.
7. Select all records where the City column has the value ‘Berlin’ or ‘London’.
8. Select all records from the Customers table, sort the result alphabetically by the column City.
9. Select all records from the Customers table, sort the result reversed alphabetically by the column City.
10. Select all records from the Customers table, sort the result alphabetically, first by the column Country, then, by the column City.
11. Select the record with the smallest value of the Price column.
12. Use an SQL function to select the record with the highest value of the Price column.
13. Return the number of records that have the Price value set to 18.
14. Use an SQL function to calculate the average price of all products.
15. Use an SQL function to calculate the sum of all the Price column values in the Products table.
16. List the number of customers in each country.
17. List the number of customers in each country.
18. List the number of customers in each country, ordered by the country with the most customers first.

Practice 2

family_members

id	name	gender	species	num_books_read
1	Dave	male	human	200
2	Mary	female	human	180
3	Pickles	male	dog	0

1. Display all of that data in `family_members`

2. Display only the name and num_books_read columns

- Return just the name and species columns

3. Grab all of the rows that correspond to humans

- Run a query that returns all of the rows that refer to dogs

4. Select family members at read at least 1 book

- Return all rows of family members whose num_books_read is greater than 190

5. Return all rows in family_members where num_books_read is a value greater or equal to 180

friends_of_pickles

id	name	gender	species	height_cm
1	Dave	male	human	180
2	Mary	female	human	160
3	Fry	male	cat	30
4	Leela	female	cat	25
5	Odie	male	dog	40
6	Jumpy	male	dog	35
7	Sneakers	male	dog	55

1. Find the friends of Pickles that are over 25cm in height and are cats

- Find all of Pickles' friends that are dogs and under the height of 45cm

2. Find the friends of Pickles that are over 25cm in height or are cats

- Find all of Pickles' friends that are dogs or under the height of 45cm

3. Get the gender and species combinations of the animals less than 100cm in height.

- Return a list of the distinct species of animals greater than 50cm in height

4. Sort the friends_of_pickles by name

- Run a query that sorts the friends_of_pickles by height_cm in descending order

5. Sorts the friends_of_pickles by height_cm in descending order

6. Return the total number of rows in the table

7. Return the total number of human friends of pickles

- Return the number of rows in friends_of_pickles where the species is a dog

family_members

id	name	species	num_books_read	num_legs
1	Dave	human	200	2
2	Mary	human	180	2
3	Pickles	dog	0	4

1. Return the total number of legs in the family.

- Find the total num_books_read made by this family

2. Returns the average number of legs of each family member.

- Find the average num_books_read made by each family member

3. Find the least number of legs in a family member

- Find the highest num_books_read that a family member makes

4. How many of each species does pickle has as a friend?

- Return the tallest height for each species?

References

Now click go to the following two website and practice the questions again!

w3schools.com

sql-esy.com