**Part 1 – Basic Usage**

Select first name, last name and birth date of customers which names start with “Jo”(Customers table).

Select first name, last name and birth date of customers in which second letter in first name is “o”(Customers table).

Select the first three first name, last name, pack\_id, secondary\_phone\_num of customers which pack\_id is null and state secondary\_phone\_num is not null (Customers table).

Display sector id and sector name which sector name is (value 1, or value 3, or value 4 , or value 5) and not value 2, or value 7(sectors table).

Display the lowest last name alphabetically (Customers table).

Display the average monthly payment (Packages table).

Display the highest last name alphabetically (Customers table).

Display the number of internet packages (Packages table).

Display the number of records in Customers table.

Display the number of distinct states (Customers table).

Display the number of distinct internet speeds (Packages table).

Display the number of values (exclude Nulls) in Fax column (Customers table).

Display the number of Null values in Fax column (Customers table).

Display the highest, lowest and average monthly discount (Customers table).

**Part 2 – GROUP BY and HAVING clauses**

Display the state and the number of customers for each state (Customers table).

Display the internet speed and the average monthly payment for each speed (Packages table).

Display the state and the number of distinct cities for each state (Customers table).

Display the sector number and the highest monthly payment for each sector (Packages table).

Number of packages and average monthly discount (Customers table) –

Display the highest, lowest and average monthly payment for each internet speed (Packages table).

The number of customer in each internet package (Customers table) –

Display the package id and the number of customers for each package id.

Modify the query to display the package id and number of customers for each package id, only for the customers whose monthly discount is greater than 20.

Modify the query to display the package id and number of customers for each package id, only for the packages with more than 100 customers.

Display the state, city and number of customers for each state and city.

Display the city and the average monthly discount for each city

Display the city and the average monthly discount for each city, only for the customers whose monthly discount is greater than 20

Display the state and the lowest monthly discount for each state. (Customers table)

Display the state and lowest monthly discount for each state, only for states where the lowest monthly discount is greater than 10

Display the internet speed and number of package for each internet speed, only for the internet speeds with more than 8 packages.