Module 1: Assignment 13 – Logical Operator

Problem Statement:

Jonas is working on a customer churn dataset. He is assigned a task to extract data on basis of certain condition to analyze it.

Tasks to be performed:

1. Extract the data of customers as per the following conditions:
   a. People who are senior citizen of gender female.
   b. Female customers who are not having partner.
   c. Customers using 'DSL' as their internet service with no online security.
   d. Customers using 'Fiber optics' as internet service with no online backup.
   e. Senior citizens using payment method as electronic check.

2. Extract the data of customers who are:
   a. Using payment method as mailed check and having a contract of one year
   b. Having services such as online security, online backup, device protection, and tech support enabled
   c. Not senior citizens having tenure of 72 months.

3. Check the customers data where the customer's are:
   a. Either using bank transfer or credit card as their payment method.
   b. Having phone service or multiple lines enabled.
   c. Either having payment method as mailed check or electronic check.
   d. Either using fiber optic or having no internet service.