1. **The Road Transport Corporation(RTC) of a city wants to know whether a particular bus- route is running on profit or loss. Assume that the following information is given:**

* **Price per Litre of fuel = 70**
* **Mileage of the bus in km/litre of fuel = 10**
* **Price (Rs) per Ticket = 80**

**The bus runs on multiple routes having different distance in kms and number of passengers.**

**Write a Python program to calculate and return the profit earned(Rs) in each route. Return -1 in case of loss.**

1. **Write a python program to find all the Strong numbers among the given list of numbers. Write a function to find and return the factorial of a number. Use it to solve the problem.**

**Example of Strong number:**

**N=145=1!+4!+5!=1+24+120=145**

**Hint: Sample list can be[145, 375, 100, 2, 10]**

1. **Assignment 45 Day6(InfyTQ)**