**Operators Assignment**

**Problem Statement:**

Sam’s next exam is on ‘Operators’. The questions will be based on what you’ve learnt in the respective module.

Questions:

**1. Working with arithmetic operators:**

a. Add 5 to the fifth record of ‘MonthlyCharges’ column

> customer\_churn$MonthlyCharges[5]+5 -> customer\_churn$MonthlyCharges[5]

> View(customer\_churn)

b. Subtract 9.65 from the sixth record of ‘MonthlyCharges’ column

> customer\_churn$MonthlyCharges[6]-9.65 -> customer\_churn$MonthlyCharges[6]

> View(customer\_churn$MonthlyCharges[6])

c. Multiply the 1st record of ‘MonthlyCharges’ column with 3

> customer\_churn$MonthlyCharges[1]\*3 -> customer\_churn$MonthlyCharges[1]

> View(customer\_churn$MonthlyCharges[1])

d. Divide the 37th record of ‘MonthlyCharges’ column with 3

> customer\_churn$MonthlyCharges[37]/3 -> customer\_churn$MonthlyCharges[37]

> View(customer\_churn$MonthlyCharges[37])

**2. Working with the relational operators:**

a. Check if the value of ‘tenure’ in the 1st row is greater than the value of ‘tenure’ in the

10th row

> customer\_churn$tenure[1]>customer\_churn$tenure[10] -> c\_tenure

> View(c\_tenure)

b. Check if the value of ‘tenure’ in the 3rd row is equal to the value of ‘tenure’ in the 5th row

> customer\_churn$tenure[3]==customer\_churn$tenure[5] -> c\_tenure

> View(c\_tenure)

3. Working with logical operators:

a. Get the count of those customers who have subscribed to both “TechSupport” &

“StreamingTV”

> customer\_churn$TechSupport == 'Yes' & customer\_churn$StreamingTV=='Yes' -> c\_cust

> View(c\_cust)

b. Extract those customers whose ‘InternetService’ is either ‘DSL’ or ‘Fiber optic’ & store

the result in ‘Internet\_dsl\_fiber’

> customer\_churn$InternetService == "DSL" | customer\_churn$InternetService == "Fiber optic" -> Internet\_dsl\_fiber

> View(Internet\_dsl\_fiber)

> subset(customer\_churn, Internet\_dsl\_fiber==T) -> c\_internate

> View(c\_internate)