**Inbuilt Functions Assignment**

**Problem Statement:**

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

Questions:

1. Do these operations with the head() function:

a. Get the first 4 records from ‘PhoneService’ column

> head(customer\_churn$PhoneService, 4)

[1] No Yes Yes No

Levels: No Yes

b. Get the first 8 records from ‘Contract’ column

> head(customer\_churn$Contract, 8)

[1] Month-to-month One year Month-to-month One year Month-to-month

[6] Month-to-month Month-to-month Month-to-month

Levels: Month-to-month One year Two year

2. Do these operations with the tail() function:

a. Get the last record of ‘TotalCharges’ column

> tail(customer\_churn$TotalCharges)

[1] 1419.40 1990.50 7362.90 346.45 306.60 6844.50

b. Get the last 5 records of ‘tenure’ column

> tail(customer\_churn$tenure, 5)

[1] 24 72 11 4 66

3. Find the average, minimum, maximum & range from the ‘tenure’ column

> mean(customer\_churn$tenure)

[1] 32.37115

> min(customer\_churn$tenure)

[1] 0

> max(customer\_churn$tenure)

[1] 72

> range(customer\_churn$tenure)

[1] 0 72

4. Get 10 random values from the ‘TotalCharges’ column using sample()

> sample(customer\_churn$TotalCharges, 10)

[1] 2658.80 2820.65 2431.35 29.95 1672.10 4890.50 564.35 515.45 343.95 360.35

5. Find the count of different levels in ‘PaymentMethod’ & ‘Contract’ columns using table()

> table(customer\_churn$PaymentMethod)

Bank transfer (automatic) Credit card (automatic) Electronic check

1544 1522 2365

Mailed check

1612

> table(customer\_churn$Contract)

Month-to-month One year Two year

3875 1473 1695