**CLASSFICATION RESULT ANALYSIS**

**INPUT:**

gen = readline(prompt="Input Gender: (M/F):")

sc = readline(prompt="Input SeniorCitizen or Not: (0/1):")

part= as.integer(readline(prompt="Input Have Partner or Not: (0/1):"))

dep= as.integer(readline(prompt="Input Dependent or Not: (0/1):"))

ten= as.integer(readline(prompt="Input Tenure:"))

ps= readline(prompt="Input Having PhoneService or Not: (y/n):")

ml=readline(prompt="Input Having Multiple Lines or Not: (y/n):")

is= readline(prompt="Input Type of Internet Service : ")

os=readline(prompt="Input Having Online Security or Not: (y/n):")

ob=readline(prompt="Input Having OnlineBackup or Not: (y/n):")

dp= readline(prompt="Input Having DeviceProtection or Not: (y/n):")

ts=readline(prompt="Input Having TechSupport or Not: (y/n):")

stv=readline(prompt="Input Having StreamingTV or Not: (y/n):")

con=readline(prompt="Input Contract Type:")

pb=readline(prompt="Input Having PaperlessBilling or Not: (y/n):")

pm=con=readline(prompt="Input Payment Method:")

mc= as.integer(readline(prompt="Input Monthly Charges:"))

tc= as.integer(readline(prompt="Input Total Charges:"))

print("NEW DATA READ::")

print(paste("Gender=",gen,"SeniorCitizen=",sc,"Partner=",part,"Dependent=",dep,"Tenure=",ten, "PhoneService=",ps,"MultipleLines=",ml,"InternetService=",is,"OnlineSecurity",os,"DeviceProtection=",dp,"TechSupport=",ts,"StreamingTV=",stv,"Contract=",con,"PaperlessBilling=",pb,"Payment=",pm,"Monthly Charges=",mc,"Total Charges=",tc))

**OUTPUT1:**

NEW DATA READ::

Gender=F SeniorCitizen= 0 Partner=N Dependent=N Tenure=70 PhoneService=Y Multiple Lines= N InternetService=Y OnlineSecurity=Y DeviceProtection=Y TechSupport=Y StreamingTV=Y Contract=M2M PaperlessBilling=Y Payment=BankTransfer Monthly Charges=60 Total Charges=500

**Conclusion: Probability of Churn is: 100%**

**OUTPUT2:**

NEW DATA READ::

Gender=F SeniorCitizen= 0 Partner=N Dependent=Y Tenure=70 PhoneService=Y Multiple Lines= N InternetService=Y OnlineSecurity=Y DeviceProtection=Y TechSupport=Y StreamingTV=Y Contract=M2M PaperlessBilling=Y Payment=BankTransfer Monthly Charges=60 Total Charges=500

**Conclusion: Probability of Churn is: 95%**

**OUTPUT3:**

NEW DATA READ::

Gender=F SeniorCitizen= 0 Partner=N Dependent=N Tenure=70 PhoneService=Y Multiple Lines= N InternetService=Y OnlineSecurity=Y DeviceProtection=Y TechSupport=Y StreamingTV=Y Contract=M2M PaperlessBilling=Y Payment=BankTransfer Monthly Charges=120 Total Charges=500

**Conclusion: Probability of Churn is: 88%**

**OUTPUT4:**

NEW DATA READ::

Gender=F SeniorCitizen= 0 Partner=N Dependent=N Tenure=70 PhoneService=Y Multiple Lines= N InternetService=Y OnlineSecurity=Y DeviceProtection=Y TechSupport=Y StreamingTV=Y Contract=Y2Y PaperlessBilling=Y Payment=BankTransfer Monthly Charges=60 Total Charges=500

**Conclusion: Probability of Churn is: 83%**

**OUTPUT5:**

NEW DATA READ::

Gender=F SeniorCitizen= 0 Partner=N Dependent=N Tenure=40 PhoneService=Y Multiple Lines= N InternetService=Y OnlineSecurity=Y DeviceProtection=Y TechSupport=Y StreamingTV=Y Contract=M2M PaperlessBilling=Y Payment=BankTransfer Monthly Charges=60 Total Charges=500

**Conclusion: Probability of Churn is: 72%**

**OUTPUT6:**

NEW DATA READ::

Gender=F SeniorCitizen= 0 Partner=N Dependent=N Tenure=70 PhoneService=N Multiple Lines= N InternetService=Y OnlineSecurity=Y DeviceProtection=Y TechSupport=Y StreamingTV=Y Contract=M2M PaperlessBilling=Y Payment=BankTransfer Monthly Charges=60 Total Charges=500

**Conclusion: Probability of Churn is: 62%**

**OUTPUT7:**

NEW DATA READ::

Gender=F SeniorCitizen= 0 Partner=N Dependent=Y Tenure=70 PhoneService=Y Multiple Lines= N InternetService=Y OnlineSecurity=Y DeviceProtection=Y TechSupport=Y StreamingTV=Y Contract=M2M PaperlessBilling=Y Payment=BankTransfer Monthly Charges=120 Total Charges=500

**Conclusion: Probability of Churn is: 83%**

**OUTPUT8:**

NEW DATA READ::

Gender=F SeniorCitizen= 0 Partner=N Dependent=N Tenure=40 PhoneService=Y Multiple Lines= N InternetService=Y OnlineSecurity=Y DeviceProtection=Y TechSupport=Y StreamingTV=Y Contract=Y2Y PaperlessBilling=Y Payment=BankTransfer Monthly Charges=60 Total Charges=500

**Conclusion: Probability of Churn is: 55%**

**OUTPUT9:**

NEW DATA READ::

Gender=F SeniorCitizen= 0 Partner=N Dependent=N Tenure=40 PhoneService=N Multiple Lines= N InternetService=Y OnlineSecurity=Y DeviceProtection=Y TechSupport=Y StreamingTV=Y Contract=M2M PaperlessBilling=Y Payment=BankTransfer Monthly Charges=60 Total Charges=500

**Conclusion: Probability of Churn is: 34%**

**OUTPUT10:**

NEW DATA READ::

Gender=F SeniorCitizen= 0 Partner=N Dependent=N Tenure=40 PhoneService=Y Multiple Lines= N InternetService=Y OnlineSecurity=Y DeviceProtection=Y TechSupport=Y StreamingTV=Y Contract=M2M PaperlessBilling=Y Payment=BankTransfer Monthly Charges=120 Total Charges=500

**Conclusion: Probability of Churn is: 60%**

**OUTPUT11:**

NEW DATA READ::

Gender=F SeniorCitizen= 0 Partner=N Dependent=N Tenure=40 PhoneService=Y Multiple Lines= N InternetService=Y OnlineSecurity=Y DeviceProtection=Y TechSupport=Y StreamingTV=Y Contract=M2M PaperlessBilling=Y Payment=BankTransfer Monthly Charges=120 Total Charges=500

**Conclusion: Probability of Churn is: 60%**

**OUTPUT12:**

NEW DATA READ::

Gender=F SeniorCitizen= 0 Partner=N Dependent=Y Tenure=40 PhoneService=N Multiple Lines= N InternetService=Y OnlineSecurity=Y DeviceProtection=Y TechSupport=Y StreamingTV=Y Contract=M2M PaperlessBilling=Y Payment=BankTransfer Monthly Charges=120 Total Charges=500

**Conclusion: Probability of Churn is: 57%**

**OUTPUT13:**

NEW DATA READ::

Gender=F SeniorCitizen= 0 Partner=N Dependent=N Tenure=40 PhoneService=N Multiple Lines= N InternetService=Y OnlineSecurity=Y DeviceProtection=Y TechSupport=Y StreamingTV=Y Contract=Y2Y PaperlessBilling=Y Payment=BankTransfer Monthly Charges=120 Total Charges=500

**Conclusion: Probability of Churn is: 45%**