

```

from sklearn.linear_model import LogisticRegression
import numpy as np
data = [
    [200, 12],
    [150, 6],
    [300, 24],
    [100, 1],
    [250, 18],
    [80, 2],
    [220, 12],
    [170, 6],
    [90, 3],
    [310, 24]
]
churn_status = [0, 1, 0, 1, 0, 1, 0, 1, 1, 0]
model = LogisticRegression()
model.fit(data, churn_status)
print("Enter features for a new customer:")
usage_minutes = float(input("Monthly usage in minutes: "))
contract_months = int(input("Contract duration in months: "))
new_customer = np.array([[usage_minutes, contract_months]])
prediction = model.predict(new_customer)
probability = model.predict_proba(new_customer)
if prediction[0] == 1:
    print("Prediction: The customer is likely to CHURN.")
else:
    print("Prediction: The customer is NOT likely to churn.")
print(f"Churn Probability: {probability[0][1]*100:.2f}%")

```

OUTPUT

Enter features for a new customer:

Monthly usage in minutes: 345

Contract duration in months: 6

Prediction: The customer is NOT likely to churn.

Churn Probability: 0.00%

[]: