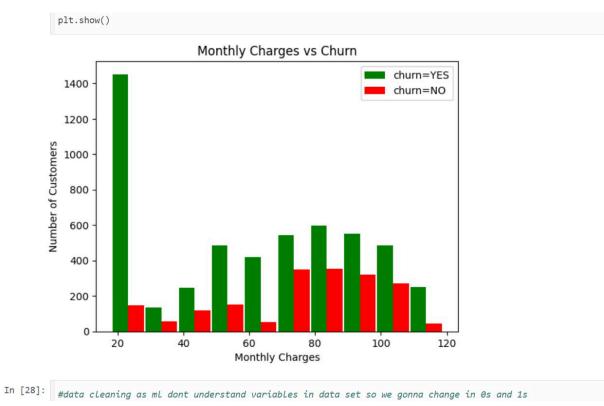


MONTHLY CHARGES V/S CHURN RATE BARPLOT



CLASSIFICATION REPORT

```
else:
              y_pred.append(0)
          y_pred[:10]
        44/44 — 0s 935us/step
Out[49]: [0, 1, 0, 1, 0, 1, 0, 0, 0, 0]
In [50]: from sklearn.metrics import confusion_matrix,classification_report
          print(classification_report(y_test,y_pred))
                      precision recall f1-score support

    0.82
    0.86
    0.84

    0.61
    0.52
    0.56

                                                      999
                   0
                                                         408
            accuracy
                                               0.77
                                                       1407
                      0.71 0.69
0.76 0.77
                                             0.70
0.76
                                                       1407
1407
           macro avg
        weighted avg
In [51]: #confusion matrix
          import seaborn as sn
          cm=tf.math.confusion_matrix(labels=y_test,predictions=y_pred)
          plt.figure(figsize=(10,7))
          sn.heatmap(cm,annot=True,fmt="d")
          plt.xlabel("Predicted")
          plt.ylabel("Truth")
```

CONFUSION MATRIX

