

```
The Accuracy for Training Set is 66.6666666666666
 The Accuracy for Test Set is 50.0
 precision recall f1-score support
                                                                   0.00
                                                                                      0 00
                                                                                                                                        2
                                                                                                             0.50
                                    accuracy
                            macro avg
weighted avg
                                                                   0.25
                                                                                        0.50
0.50
                                                                                                             0.33
                          c:\users\adrij\appdata\local\programs\python\python39\lib\site-packages\sklearn\metrics\_classification.py:1248: UndefinedMetricWarning: Precision and F-score are ill-defined and being set to 0.0 in labels with no predicted samples. Use `zero_divis ion` parameter to control this behavior.

_warn_prf(average, modifier, msg_start, len(result))
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_warn_prf(average, modifier, msg_start, len(result))
plt.show()
                                  1.0
                                  0.6
                                  0.2
                                  0.0
                                                                            Hours Studies
In [26]: M cm=confusion_matrix(y_test,y_pred)
                           cm=contusion_matrix(y_test,y_pred)
plt.figure(figsize=(12,6))
plt.title("Confusion Matrix")
sns.heatmap(cm, annot=True,fmt='d', cmap='Blues')
plt.ylabel("Actual Values")
plt.xlabel("Predicted Values")
plt.savefig('confusion_matrix.png')
                                                                                                 Confusion Matrix
                                                                                                                                                                                                       -06
                                                                                                                                                                                                       0.4
                                                                                                                                                                                                       0.2
                                                                                                    Predicted Values
```

In []: ▶