**Logistic Regression**

**Accuracy**: 0.8941068139963168

**Precision**: 0.894828054917075

**Recall**: 0.8941068139963168

**F1**: 0.8953858373232041

**Confusion Matrix**:

[[119 0 6 1 2 1 6]

[ 2 175 4 0 3 0 0]

[ 4 4 243 10 6 3 11]

[ 3 0 6 141 0 1 3]

[ 1 2 3 2 106 0 1]

[ 0 0 4 1 0 62 5]

[ 2 1 11 6 0 0 125]]

Insights

While training found that with increase in the walk length and embedding vector length, the accuracy kept on increasing.

Also tried to change values of p and q.

Found p and q were having little effect on accuracy as compared to walk length and embedding vector length