POORNIMA



# Exp. 7

**Objective:-** Support Vector Machine on Google Colab with deployment using Streamlit & Random forest.

⇒
```
from sklearn.svm import SVC
classifier = SVC(kernel = "linear", random_state = 0)
classifier.fit(X_train, y_train)
```

```
from sklearn.svm import SVC
classifier = SVC(kernel = 'rbf', random_state = 0)
classifier.fit(X_train, y_train)
```

```
from sklearn.svm import SVC
classifier = SVC(kernel, 'sigmoid', random_State = 0)
classifier.fit(X_train, y_train).
```

# Random Forest

```
# Training the Random forest Classifier model on the Training set
from sklearn.ensemble ~~ForestClassifier~~ import RandomForestClassifier
classifier = RandomForestClassifier(n_estimators = 10, criterion = 'entropy',
                                    random_state = 0)
classifier.fit(X_train, y_train)
~~classifier~~.y_pred = classifier.predict(X_test)
```

⇒
```
from sklearn.metrics import accuracy_score
print('Accuracy: %.2f' %(accuracy_score(y_test, y_pred)*100))
```