## Name smriti jha

## Roll number 2206296 iris dataset random forest classifier

```
[2]: # Import necessary Libraries
    from sklearn.datasets import load_iris
    from sklearn.tree import DecisionTreeClassifier, plot_tree
    from sklearn.model_selection import train_test_split
    import matplotlib.pyplot as plt

[3]:
    # Load the dataset
    iris = load_iris()
    X = iris.data # Features
    y = iris.target # Target LabeLs

[4]: # Split the dataset into training and testing sets
    X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=42)
```



