# Importing necessary libraries

import pandas as pd

from sklearn.model\_selection import train\_test\_split

from sklearn.ensemble import RandomForestClassifier

from sklearn.metrics import accuracy\_score, classification\_report

# Load the dataset

data = pd.read\_csv('loan\_data.csv')

# Data preprocessing

# Here you would handle missing values, encode categorical variables, etc.

# Define features and target variable

X = data.drop('loan\_status', axis=1)

y = data['loan\_status']

# Splitting 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)

# Model training

model = RandomForestClassifier(n\_estimators=100, random\_state=42)

model.fit(X\_train, y\_train)

# Model evaluation

y\_pred = model.predict(X\_test)

accuracy = accuracy\_score(y\_test, y\_pred)

print("Accuracy:", accuracy)

print("Classification Report:")

print(classification\_report(y\_test, y\_pred))