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Source Code:
import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.ensemble import RandomForestClassifier
from sklearn.metrics import classification_report, accuracy_score
# Load dataset
data = pd.read_csv("creditcard.csv")
# Prepare data
X = data.drop("Class", axis=1)
y = data["Class"]
# Split the data
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.3, random_state=42)
# Train model
model = RandomForestClassifier()
model.fit(X_train, y_train)
# Make predictions
y_pred = model.predict(X_test)
```

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# Evaluate model
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print("Accuracy:", accuracy\_score(y\_test, y\_pred))
print(classification\_report(y\_test, y\_pred))

## Sample Output:

Accuracy: 0.9993

precision recall f1-score support

0 1.00 1.00 1.00 85296

1 0.90 0.81 0.85 147

accuracy 1.00 85443

macro avg 0.95 0.90 0.92 85443

weighted avg 1.00 1.00 1.00 85443