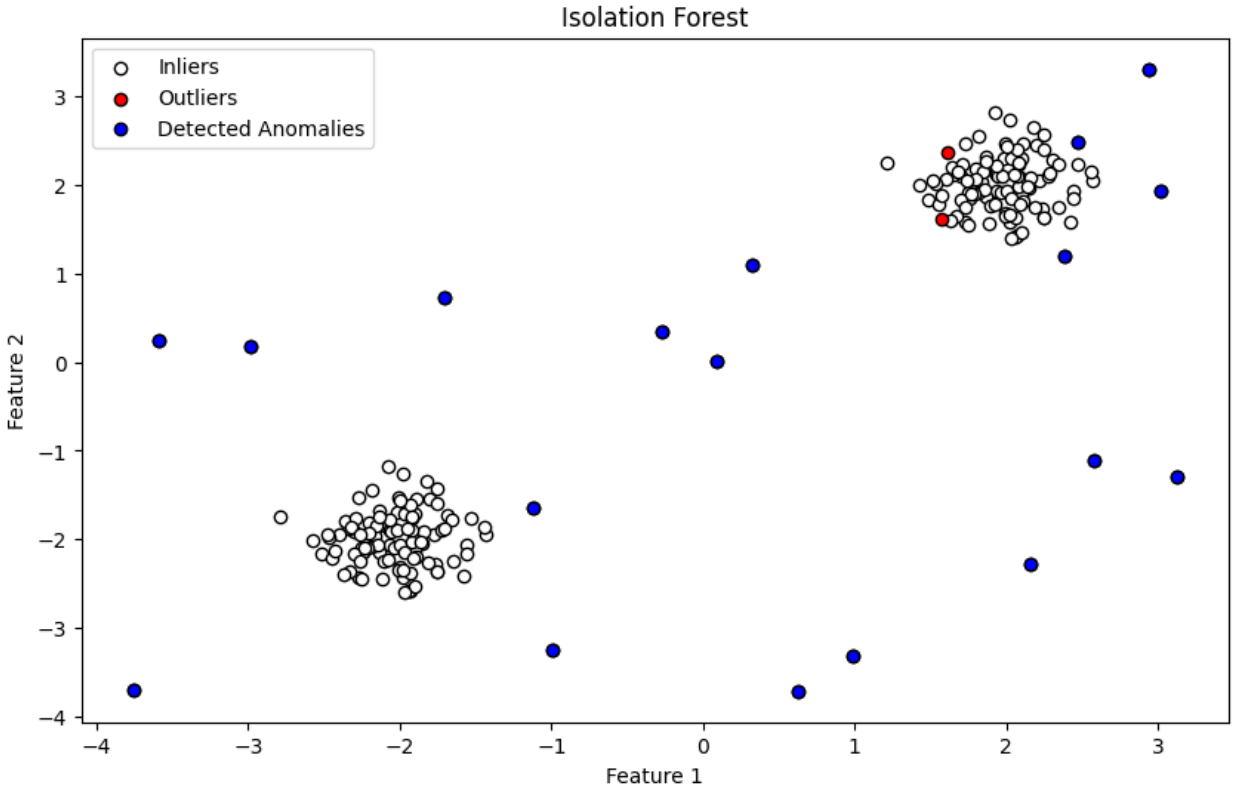
```
import numpy as np
import matplotlib.pyplot as plt
from sklearn.ensemble import IsolationForest

# Generate random data
np.random.seed(42)
X = 0.3 * np.random.randn(100, 2)
X_train = np.r_[X + 2, X - 2]  # Inliers
X_outliers = np.random.uniform(low=-4, high=4, size=(20, 2))  #
Outliers

# Fit the model
clf = IsolationForest(contamination=0.1, random_state=42)
clf.fit(X_train)

# Predict outliers
y_pred_train = clf.predict(X_train)
y_pred_outliers = clf.predict(X_outliers)

# Plot
plt.figure(figsize=(10, 6))

# Inliers
plt.scatter(X_train[:, 0], X_train[:, 1], c='white', edgecolors='k',
label='Inliers')

# Outliers
plt.scatter(X_outliers[:, 0], X_outliers[:, 1], c='red',
edgecolors='k', label='Outliers')

# Anomalies detected
plt.scatter(X_outliers[y_pred_outliers == -1][:, 0],
X_outliers[y_pred_outliers == -1][:, 1], c='blue', edgecolors='k',
            label='Detected Anomalies')

plt.title('Isolation Forest')
plt.xlabel('Feature 1')
plt.ylabel('Feature 2')
plt.legend()
plt.show()
```


Isolation Forest
Inliers
Outliers
Detected Anomalies
Feature 2
Feature 1
3
2
1
0
−1
−2
−3
−4
−4
−3
−2
−1
0
1
2
3