This is the code that we used to calculate the values that you wanted from us:

```
from sklearn.ensemble import RandomForestClassifier
df = pd.read csv(r'C:\Users\begum\Desktop\Projects\Pattern
X = df.iloc[2:, :].T
y = df.iloc[1, :]
X = X.apply(pd.to numeric, errors='coerce')
X = X.fillna(X.mean())
le = LabelEncoder()
X train, X test, y train, y test = train test split(X, y, test size=0.2,
selector = SelectFromModel(estimator=RandomForestClassifier(n estimators=100,
clf = RandomForestClassifier(n estimators=100, random state=42)
clf.fit(X train, y train)
n splits adjusted = min(5, min(pd.Series(y).value counts()))
ss = ShuffleSplit(n splits=n splits adjusted, test size=0.2, random state=42)
scores = cross val score(clf, X train, y train, cv=ss)
print(f'Cross-validation scores: {scores}')
y pred = clf.predict(X test)
accuracy = accuracy score(y test, y pred)
print(f'Accuracy: {accuracy}')
report = classification report(y test, y pred, zero division=1)
```

## And these are the outputs:

Cross-validation scores: [0.79545455]

Accuracy: 0.8363636363636363

	precision	recall	f1-score	support
0	0.90	1.00	0.95	46
3	1.00	0.00	0.00	1
6	0.00	1.00	0.00	0
10	0.00	1.00	0.00	0
12	1.00	0.00	0.00	1
13	1.00	0.00	0.00	1
14	1.00	0.00	0.00	1
17	1.00	0.00	0.00	1
18	0.00	1.00	0.00	0
22	1.00	0.00	0.00	1
25	0.00	1.00	0.00	0
26	1.00	0.00	0.00	1
37	1.00	0.00	0.00	1
44	1.00	0.00	0.00	1
accuracy			0.84	55
macro avg	0.71	0.36	0.07	55
weighted avg	0.92	0.84	0.79	55