```python
data = [
    [5000, 25, 1000],
    [7000, 40, 2000],
    [2000, 22, 500],
    [10000, 35, 3000],
    [3000, 28, 1500]
]
labels = [1, 1, 0, 1, 0]


def classify_credit(income, age, loan):
    score = 0
    if income > 4000:
        score += 1
    if age >= 25:
        score += 1
    if loan < 2000:
        score += 1
    return 1 if score >= 2 else 0


predictions = [classify_credit(x[0], x[1], x[2]) for x in data]

print("Predicted Labels:", predictions)
accuracy = sum([predictions[i]==labels[i] for i in range(len(labels))])/len(labels)
print("Accuracy:", accuracy)
```
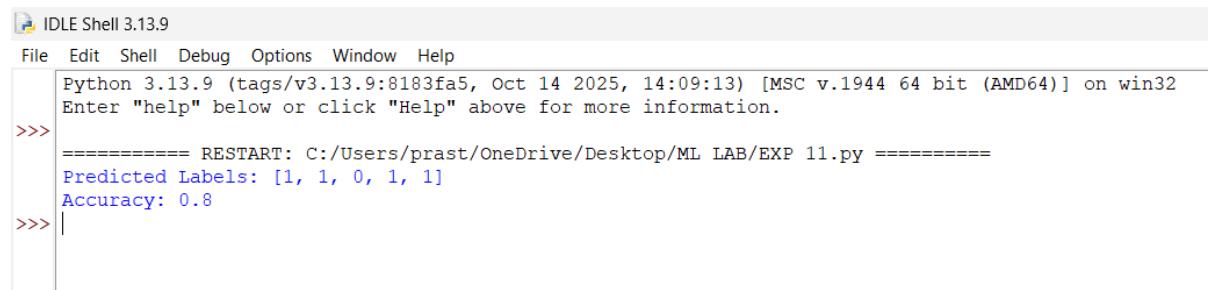
OUTPUT:


```
IDLE Shell 3.13.9
File  Edit  Shell  Debug  Options  Window  Help
    Python 3.13.9 (tags/v3.13.9:8183fa5, Oct 14 2025, 14:09:13) [MSC v.1944 64 bit (AMD64)] on win32
    Enter "help" below or click "Help" above for more information.
>>>
    ========== RESTART: C:/Users/prast/OneDrive/Desktop/ML LAB/EXP 11.py ==========
    Predicted Labels: [1, 1, 0, 1, 1]
    Accuracy: 0.8
>>>
```