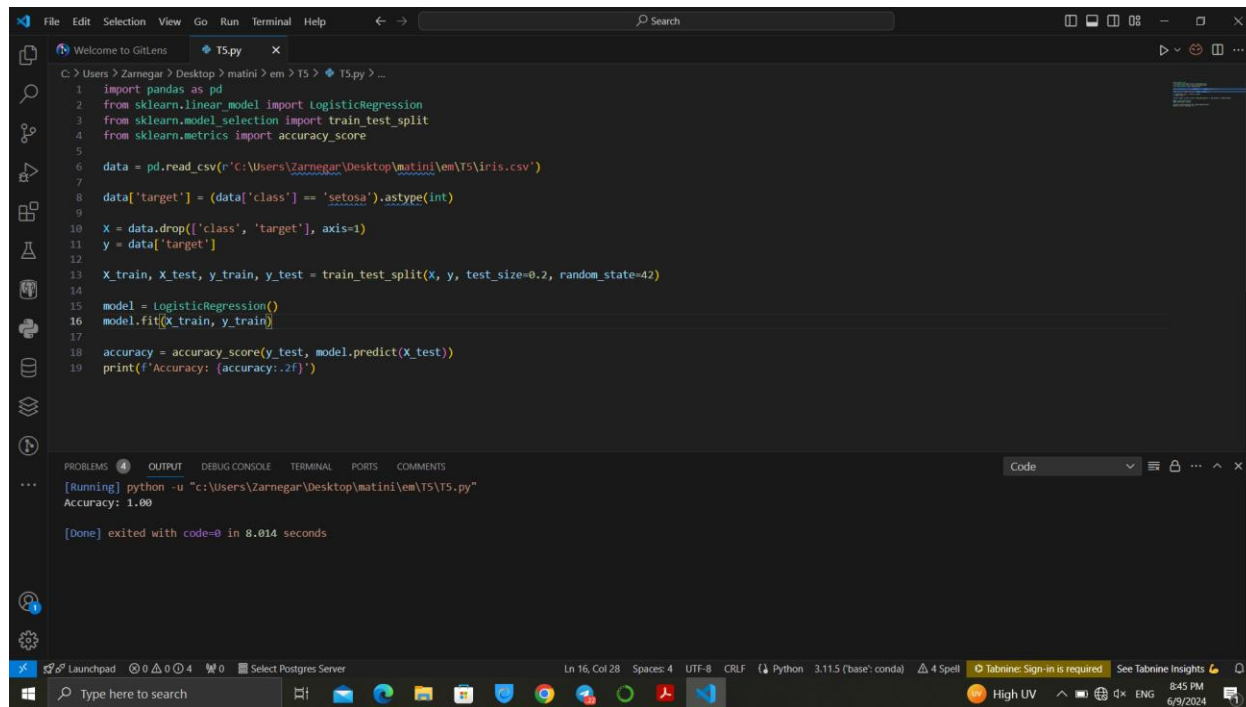


تمرین چهارم : با استفاده از لاجستیک رگرشن بر روی مجموع داده ایریس یک مسئله دو کلاسه تعریف کرده و اکیورسی مدل خود را بدست آورید .



```
C:\Users\Zarnegar\Desktop\matini\em\T5> python T5.py ...
1 import pandas as pd
2 from sklearn.linear_model import LogisticRegression
3 from sklearn.model_selection import train_test_split
4 from sklearn.metrics import accuracy_score
5
6 data = pd.read_csv(r'C:\Users\Zarnegar\Desktop\matini\em\T5\iris.csv')
7
8 data['target'] = (data['class'] == 'setosa').astype(int)
9
10 X = data.drop(['class', 'target'], axis=1)
11 y = data['target']
12
13 X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=42)
14
15 model = LogisticRegression()
16 model.fit(X_train, y_train)
17
18 accuracy = accuracy_score(y_test, model.predict(X_test))
19 print(f'Accuracy: {accuracy:.2f}')
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

[Running] python -u "C:\Users\Zarnegar\Desktop\matini\em\T5\T5.py"

Accuracy: 1.00

[Done] exited with code=0 in 8.014 seconds

Ln 16, Col 28 Spaces: 4 UTF-8 CRLF Python 3.11.5 ('base': conda) 4 Spell Tabnine: Sign-in is required See Tabnine Insights

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