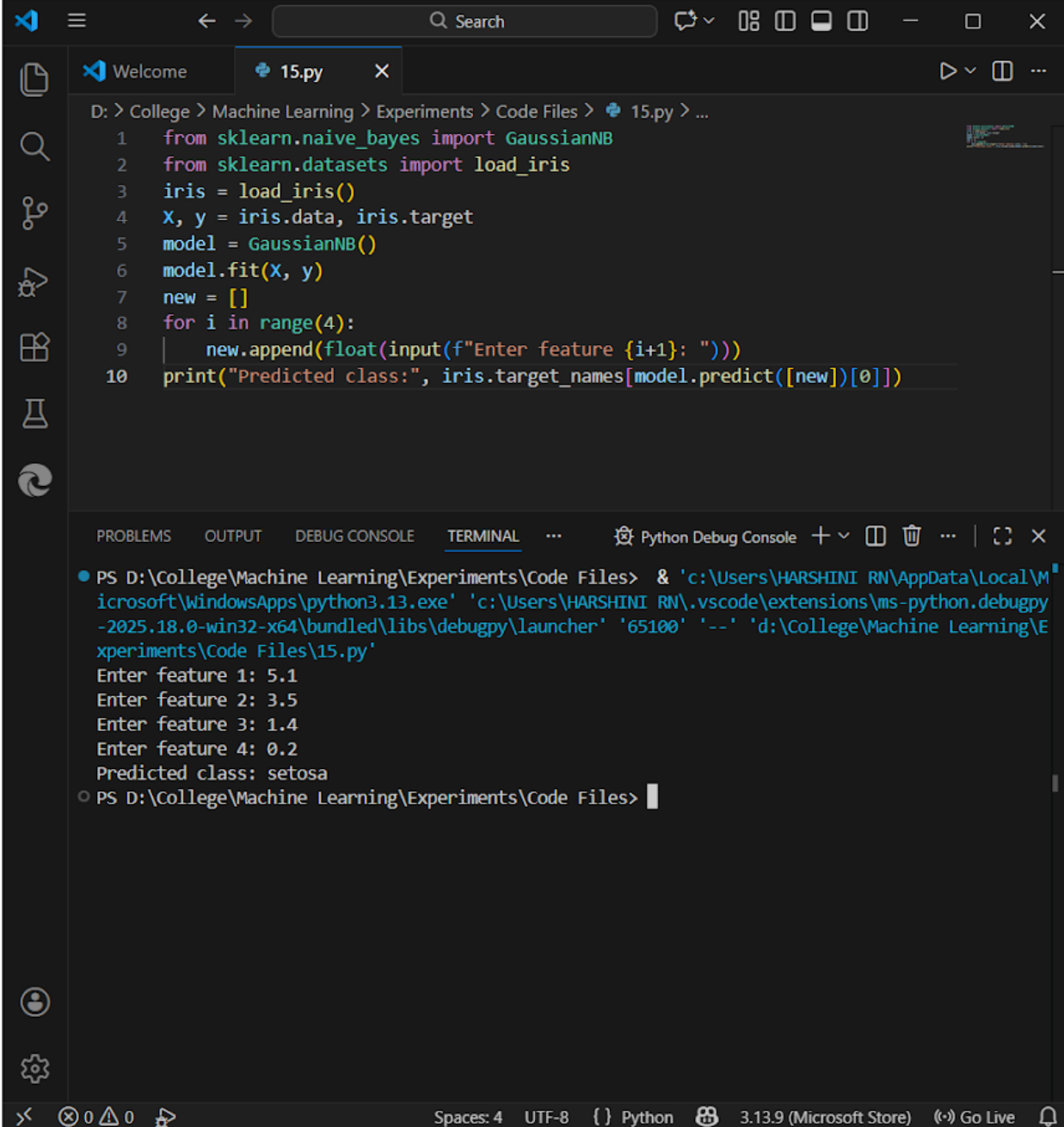


EXPERIMENT – 15

OUTPUT:



```
1 from sklearn.naive_bayes import GaussianNB
2 from sklearn.datasets import load_iris
3 iris = load_iris()
4 X, y = iris.data, iris.target
5 model = GaussianNB()
6 model.fit(X, y)
7 new = []
8 for i in range(4):
9     new.append(float(input(f"Enter feature {i+1}: ")))
10 print("Predicted class:", iris.target_names[model.predict([new])[0]])
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL Python Debug Console

```
PS D:\College\Machine Learning\Experiments\Code Files> & 'c:\Users\HARSHINI RN\AppData\Local\Microsoft\WindowsApps\python3.13.exe' 'c:\Users\HARSHINI RN\.vscode\extensions\ms-python.debugpy-2025.18.0-win32-x64\bundled\libs\debugpy\launcher' '65100' '--' 'd:\College\Machine Learning\Experiments\Code Files\15.py'
Enter feature 1: 5.1
Enter feature 2: 3.5
Enter feature 3: 1.4
Enter feature 4: 0.2
Predicted class: setosa
PS D:\College\Machine Learning\Experiments\Code Files>
```

Spaces: 4 UTF-8 Python 3.13.9 (Microsoft Store) Go Live