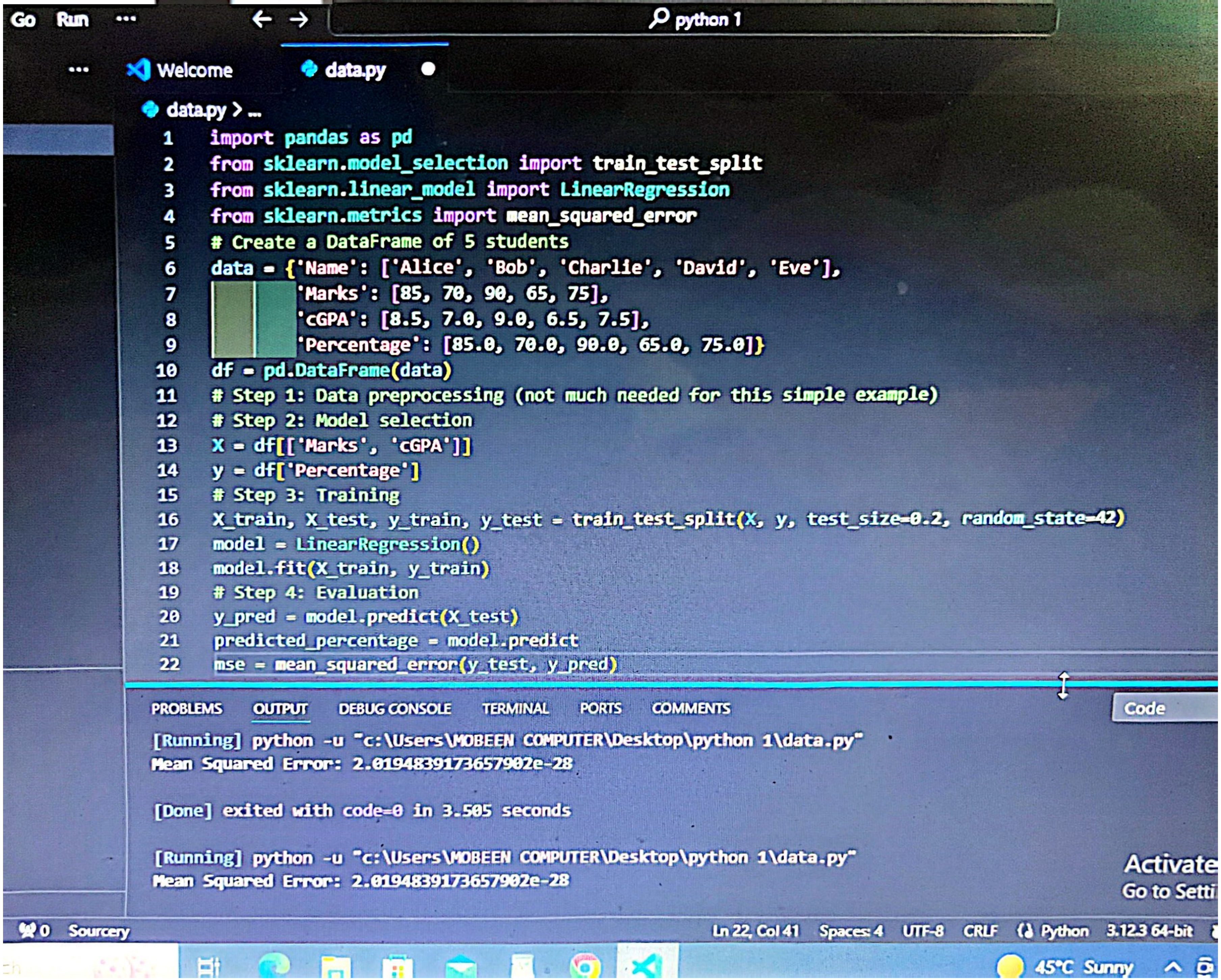
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Welcome
data.py
data.py > ...
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```python
import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LinearRegression
from sklearn.metrics import mean_squared_error
# Create a DataFrame of 5 students
data = {'Name': ['Alice', 'Bob', 'Charlie', 'David', 'Eve'],
        'Marks': [85, 70, 90, 65, 75],
        'cGPA': [8.5, 7.0, 9.0, 6.5, 7.5],
        'Percentage': [85.0, 70.0, 90.0, 65.0, 75.0]}
df = pd.DataFrame(data)
# Step 1: Data preprocessing (not much needed for this simple example)
# Step 2: Model selection
X = df[['Marks', 'cGPA']]
y = df['Percentage']
# Step 3: Training
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=42)
model = LinearRegression()
model.fit(X_train, y_train)
# Step 4: Evaluation
y_pred = model.predict(X_test)
predicted_percentage = model.predict
mse = mean_squared_error(y_test, y_pred)
```

```
[Running] python -u "c:\Users\MOBEEN COMPUTER\Desktop\python 1\data.py"
Mean Squared Error: 2.0194839173657902e-28

[Done] exited with code=0 in 3.505 seconds

[Running] python -u "c:\Users\MOBEEN COMPUTER\Desktop\python 1\data.py"
Mean Squared Error: 2.0194839173657902e-28
```

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