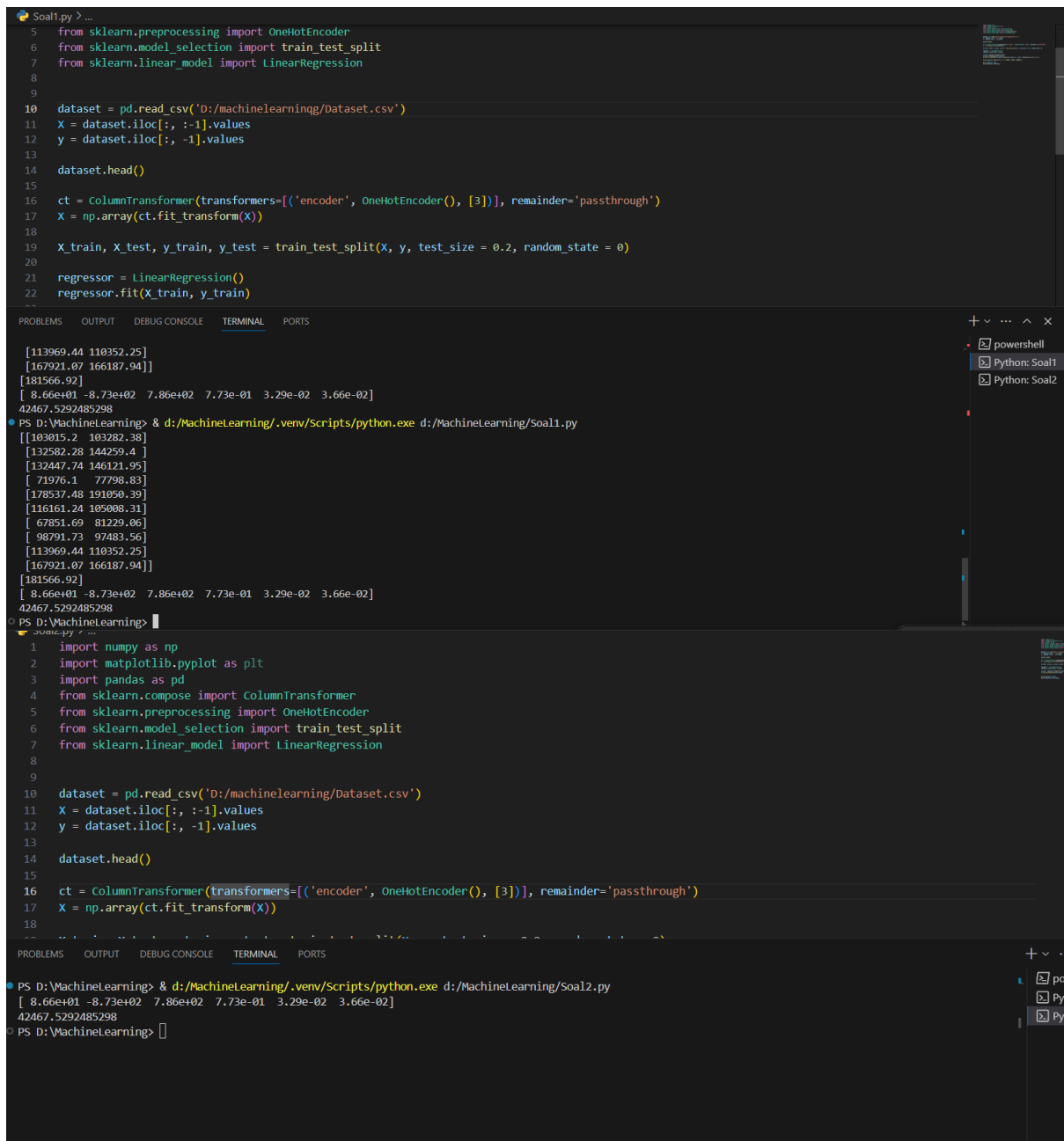


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The image shows a VS Code editor with two Python files, Soal1.py and Soal2.py, and their execution output in the terminal.

Soal1.py

```
5 from sklearn.preprocessing import OneHotEncoder
6 from sklearn.model_selection import train_test_split
7 from sklearn.linear_model import LinearRegression
8
9
10 dataset = pd.read_csv('D:/machinelearning/Dataset.csv')
11 X = dataset.iloc[:, :-1].values
12 y = dataset.iloc[:, -1].values
13
14 dataset.head()
15
16 ct = ColumnTransformer(transformers=[('encoder', OneHotEncoder(), [3])], remainder='passthrough')
17 X = np.array(ct.fit_transform(X))
18
19 X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 0.2, random_state = 0)
20
21 regressor = LinearRegression()
22 regressor.fit(X_train, y_train)
```

Terminal Output for Soal1.py

```
[113969.44 110352.25]
[167921.07 166187.94]]
[181566.92]
[ 8.66e+01 -8.73e+02  7.86e+02  7.73e-01  3.29e-02  3.66e-02]
42467.5292485298
PS D:\MachineLearning> & d:/MachineLearning/.venv/Scripts/python.exe d:/MachineLearning/Soal1.py
[[103015.2  103282.38]
 [132582.28 144259.4 ]
 [132447.74 146121.95]
 [ 71976.1  77798.83]
 [178537.48 191050.39]
 [116161.24 105008.31]
 [ 67851.69  81229.06]
 [ 98791.73  97483.56]
 [113969.44 110352.25]
 [167921.07 166187.94]]
[181566.92]
[ 8.66e+01 -8.73e+02  7.86e+02  7.73e-01  3.29e-02  3.66e-02]
42467.5292485298
PS D:\MachineLearning>
```

Soal2.py

```
1 import numpy as np
2 import matplotlib.pyplot as plt
3 import pandas as pd
4 from sklearn.compose import ColumnTransformer
5 from sklearn.preprocessing import OneHotEncoder
6 from sklearn.model_selection import train_test_split
7 from sklearn.linear_model import LinearRegression
8
9
10 dataset = pd.read_csv('D:/machinelearning/Dataset.csv')
11 X = dataset.iloc[:, :-1].values
12 y = dataset.iloc[:, -1].values
13
14 dataset.head()
15
16 ct = ColumnTransformer(transformers=[('encoder', OneHotEncoder(), [3])], remainder='passthrough')
17 X = np.array(ct.fit_transform(X))
18
```

Terminal Output for Soal2.py

```
PS D:\MachineLearning> & d:/MachineLearning/.venv/Scripts/python.exe d:/MachineLearning/Soal2.py
[ 8.66e+01 -8.73e+02  7.86e+02  7.73e-01  3.29e-02  3.66e-02]
42467.5292485298
PS D:\MachineLearning>
```

https://github.com/Poxezy/Tugas_4_MachineLearning