

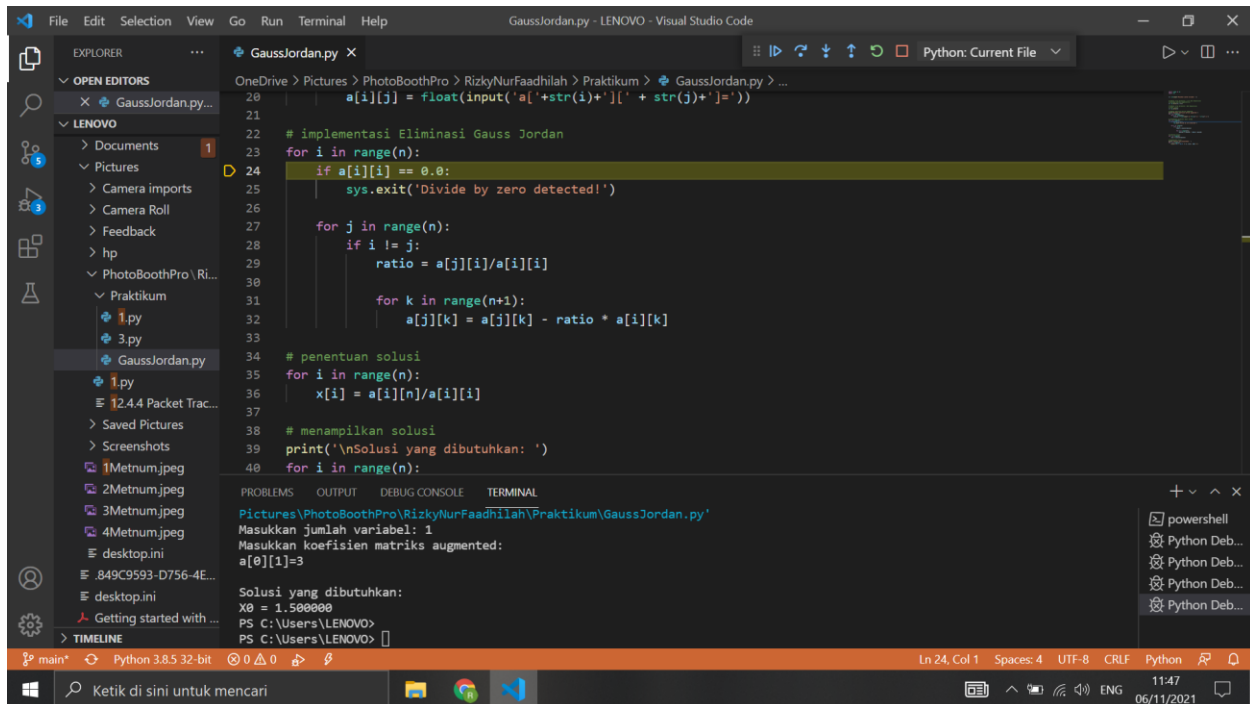
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PRAKTIKUM METNUM 2

1.GussJordan



The screenshot displays the Visual Studio Code interface with a Python file named `GaussJordan.py` open. The code implements Gaussian elimination for a system of linear equations. The terminal output shows the program's execution, including prompts for the number of variables and the augmented matrix coefficients, followed by the calculated solution.

```
20 a[i][j] = float(input('a['+str(i)+'']['+str(j)+'']='))
21
22 # implementasi Eliminasi Gauss Jordan
23 for i in range(n):
24     if a[i][i] == 0.0:
25         sys.exit('Divide by zero detected!')
26
27     for j in range(n):
28         if i != j:
29             ratio = a[j][i]/a[i][i]
30
31             for k in range(n+1):
32                 a[j][k] = a[j][k] - ratio * a[i][k]
33
34 # penentuan solusi
35 for i in range(n):
36     x[i] = a[i][n]/a[i][i]
37
38 # menampilkan solusi
39 print('\nSolusi yang dibutuhkan: ')
40 for i in range(n):
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Pictures\PhotoBoothPro\RizkyNurFaadhilah\Praktikum\GaussJordan.py

Masukkan jumlah variabel: 1

Masukkan koefisien matriks augmented:

a[0][1]=3

Solusi yang dibutuhkan:

X0 = 1.500000

PS C:\Users\LENOVO>

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