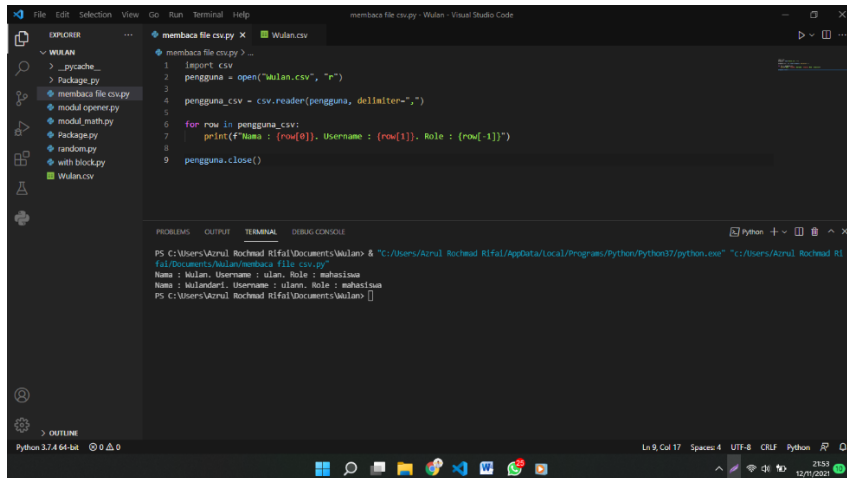


Nama : Wulandari  
Nim : 20.01.013.019  
MK : Kecerdasan Buatan

## TUGAS PYTHON 7

### 1. Membaca CSV

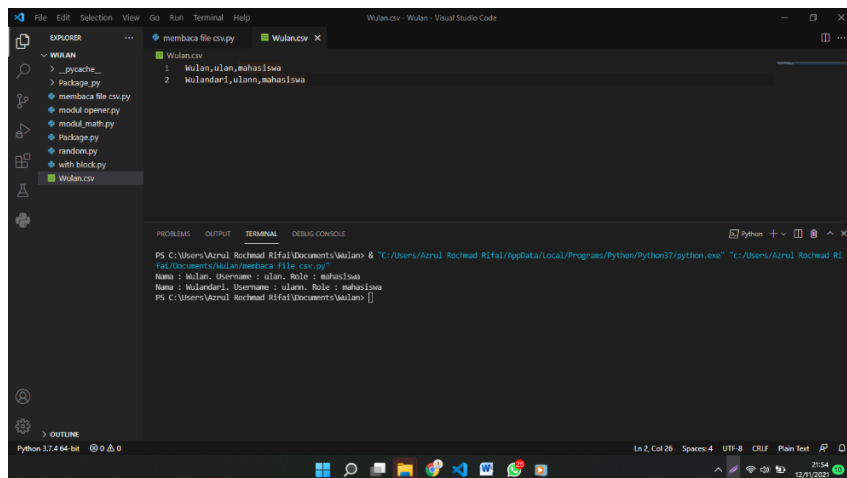


The screenshot shows a Visual Studio Code window with a file explorer on the left containing a folder named 'WULAN' with files like 'package.py', 'membaca file csv.py', 'modul operasi.py', 'modul path.py', 'package.py', 'random.py', 'with block.py', and 'Wulan.csv'. The main editor displays the 'membaca file csv.py' script:

```
1 import csv
2 pengguna = open("Wulan.csv", "r")
3
4 pengguna_csv = csv.reader(pengguna, delimiter=",")
5
6 for row in pengguna_csv:
7     print(f"Nama : {row[0]}, Username : {row[1]}, Role : {row[-1]}")
8
9 pengguna.close()
```

The terminal at the bottom shows the execution output:

```
PS C:\Users\Azrul_Rochad Rifal\Documents\Wulan> "C:/Users/Azrul_Rochad Rifal/AppData/Local/Programs/Python/Python37/python.exe" "C:/Users/Azrul_Rochad Rifal/Documents/Wulan/membaca file csv.py"
Nama : Wulan, Username : ulan, Role : mahasiswa
Nama : Wulandari, Username : ulann, Role : mahasiswa
PS C:\Users\Azrul_Rochad Rifal\Documents\Wulan>
```



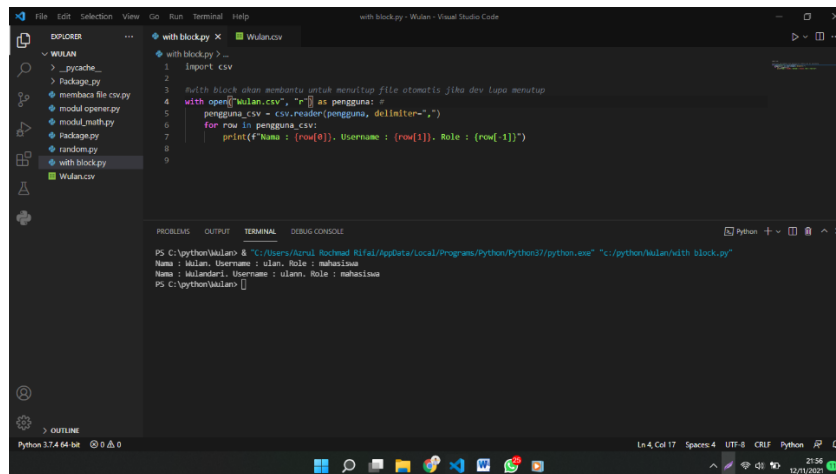
The screenshot shows the same Visual Studio Code window, but now the 'Wulan.csv' file is open in the editor. It contains two lines of text:

```
1 Wulan,ulan,mahasiswa
2 Wulandari,ulann,mahasiswa
```

The terminal at the bottom shows the same execution output as the previous screenshot:

```
PS C:\Users\Azrul_Rochad Rifal\Documents\Wulan> "C:/Users/Azrul_Rochad Rifal/AppData/Local/Programs/Python/Python37/python.exe" "C:/Users/Azrul_Rochad Rifal/Documents/Wulan/membaca file csv.py"
Nama : Wulan, Username : ulan, Role : mahasiswa
Nama : Wulandari, Username : ulann, Role : mahasiswa
PS C:\Users\Azrul_Rochad Rifal\Documents\Wulan>
```

## 2. With Block



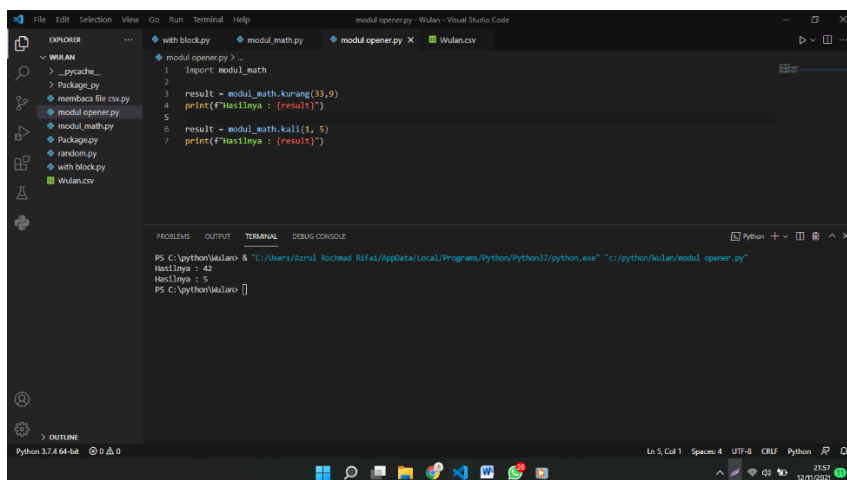
```
File Edit Selection View Go Run Terminal Help
with_block.py - Wulan - Visual Studio Code

EXPLORER
WULAN
  __pycache__
  Package.py
  membaca_file_csv.py
  modul_opener.py
  modul_math.py
  Package.py
  random.py
  with_block.py
  Wulan.csv

with_block.py
1 import csv
2
3 with block akan membantu untuk menutup file otomatis jika dev lupa menutup
4 with open('Wulan.csv', 'r') as pengguna:
5     pengguna_csv = csv.reader(pengguna, delimiter=',')
6     for row in pengguna_csv:
7         print(f'Nama : {row[0]}, Username : {row[1]}, Role : {row[-1]}')
8
9

TERMINAL
PS C:\python\Wulan> & "C:/Users/Ricard/Roam/Local/Programs/Python/Python37/python.exe" "c:/python/Wulan/with_block.py"
Nama : Wulan, Username : ulan, Role : mahasiswa
Nama : Wulanari, Username : ulann, Role : mahasiswa
PS C:\python\Wulan>
```

## 3. Module



```
File Edit Selection View Go Run Terminal Help
modul_opener.py - Wulan - Visual Studio Code

EXPLORER
WULAN
  __pycache__
  Package.py
  membaca_file_csv.py
  modul_opener.py
  modul_math.py
  Package.py
  random.py
  with_block.py
  Wulan.csv

modul_opener.py
1 import modul_math
2
3 result = modul_math.kurang(33,9)
4 print(f'Hasilnya : {result}')
5
6 result = modul_math.kali(1, 5)
7 print(f'Hasilnya : {result}')

TERMINAL
PS C:\python\Wulan> & "C:/Users/Ricard/Roam/Local/Programs/Python/Python37/python.exe" "c:/python/Wulan/modul_opener.py"
Hasilnya : 42
Hasilnya : 5
PS C:\python\Wulan>
```

```
modul_math.py
1 def kurang(a,b):
2     return a - b
3
4 def kali(a,b):
5     return a * b
```

```
PS C:\python\Wulan> & "C:/Users/Azrul_Rochad_Rifal/AppData/Local/Programs/Python/Python37/python.exe" "c:/python/Wulan/modul_opener.py"
Hasilnya : 42
Hasilnya : 5
PS C:\python\Wulan>
```

#### 4. Package

```
Package.py
1 import Package_py.math
2
3 result = Package_py.math.kurang(33,9)
4 print(f"Hasilnya : {result}")
5
6 result = Package_py.math.kali(1, 5)
7 print(f"Hasilnya : {result}")
```

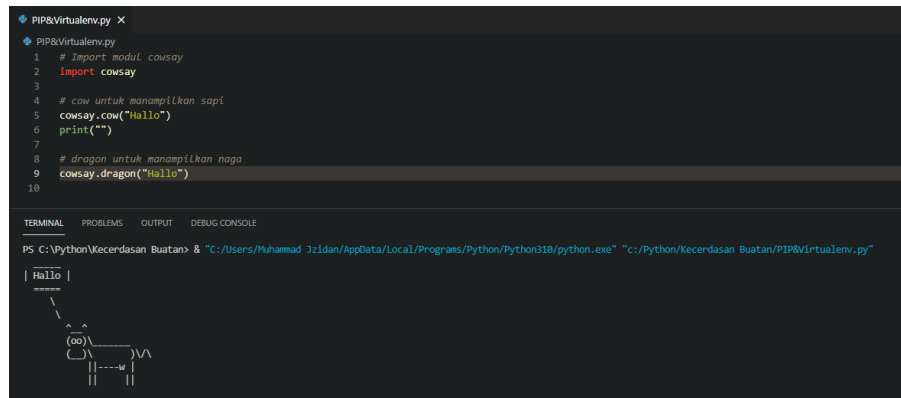
```
PS C:\python\Wulan> & "C:/Users/Azrul_Rochad_Rifal/AppData/Local/Programs/Python/Python37/python.exe" "c:/python/Wulan/Package.py"
Hasilnya : 42
Hasilnya : 5
PS C:\python\Wulan>
```

#### 5. Random

```
menang.py
1
2 import random
3 peserta = ["Wulan", "Darl", "Tadi", "Putri"]
4 pemenang = random.choice(peserta)
5 print(pemenang)
```

```
PS C:\python\Wulan> & "C:/Users/Azrul_Rochad_Rifal/AppData/Local/Programs/Python/Python37/python.exe" "c:/Users/Azrul_Rochad_Rifal/Documents/777/menang.py"
Tadi
PS C:\python\Wulan> & "C:/Users/Azrul_Rochad_Rifal/AppData/Local/Programs/Python/Python37/python.exe" "c:/Users/Azrul_Rochad_Rifal/Documents/777/menang.py"
Darl
PS C:\python\Wulan> & "C:/Users/Azrul_Rochad_Rifal/AppData/Local/Programs/Python/Python37/python.exe" "c:/Users/Azrul_Rochad_Rifal/Documents/777/menang.py"
Wulan
PS C:\python\Wulan> & "C:/Users/Azrul_Rochad_Rifal/AppData/Local/Programs/Python/Python37/python.exe" "c:/Users/Azrul_Rochad_Rifal/Documents/777/menang.py"
Putri
PS C:\python\Wulan>
```

## 6. PIP dan Virtualenv



The screenshot shows a code editor window titled "PIP&Virtualenv.py" with a Python script. The script imports the 'cowsay' module and uses it to print 'Hallo' as a cow and a dragon. Below the code, the terminal output shows the command being executed and the resulting ASCII art of a cow saying 'Hallo'.

```
PIP&Virtualenv.py
1 # Import modul cowsay
2 import cowsay
3
4 # cow untuk menampilkan sapi
5 cowsay.cow("Hallo")
6 print("")
7
8 # dragon untuk menampilkan naga
9 cowsay.dragon("Hallo")
10
```

TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE

PS C:\Python\Kecerdasan Buatan> & "C:/Users/Muhammad Jzidan/AppData/Local/Programs/Python/Python310/python.exe" "c:/Python/Kecerdasan Buatan/PIP&Virtualenv.py"

Hallo

```

      \
       ^
      (oo)\_____)
      (_____)  )
      ||----w |
      ||     ||
```