

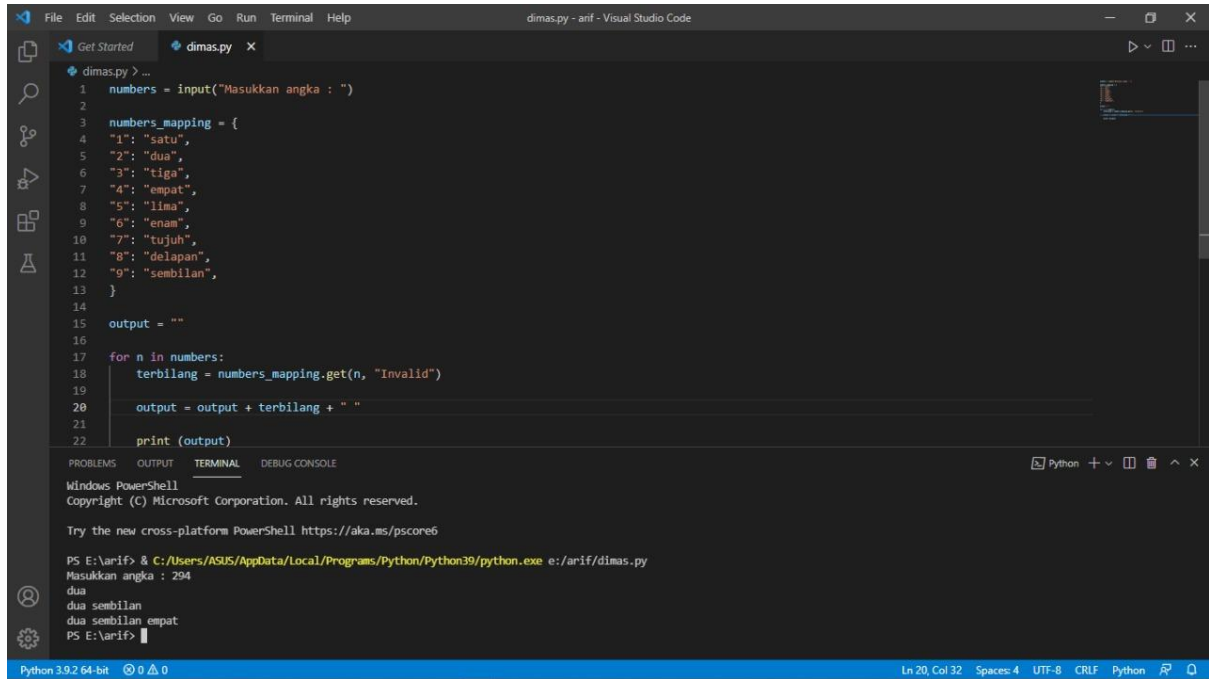
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NIM : 20.01.013.037

Matkul : Artificial Intelligence

Python 5

1. Aplikasi Terbilang



```
File Edit Selection View Go Run Terminal Help
dimas.py - arif - Visual Studio Code

dimas.py > ...
1 numbers = input("Masukkan angka : ")
2
3 numbers_mapping = {
4     "1": "satu",
5     "2": "dua",
6     "3": "tiga",
7     "4": "empat",
8     "5": "lima",
9     "6": "enam",
10    "7": "tujuh",
11    "8": "delapan",
12    "9": "sembilan",
13 }
14
15 output = ""
16
17 for n in numbers:
18     terbilang = numbers_mapping.get(n, "Invalid")
19     output = output + terbilang + " "
20
21 print(output)
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

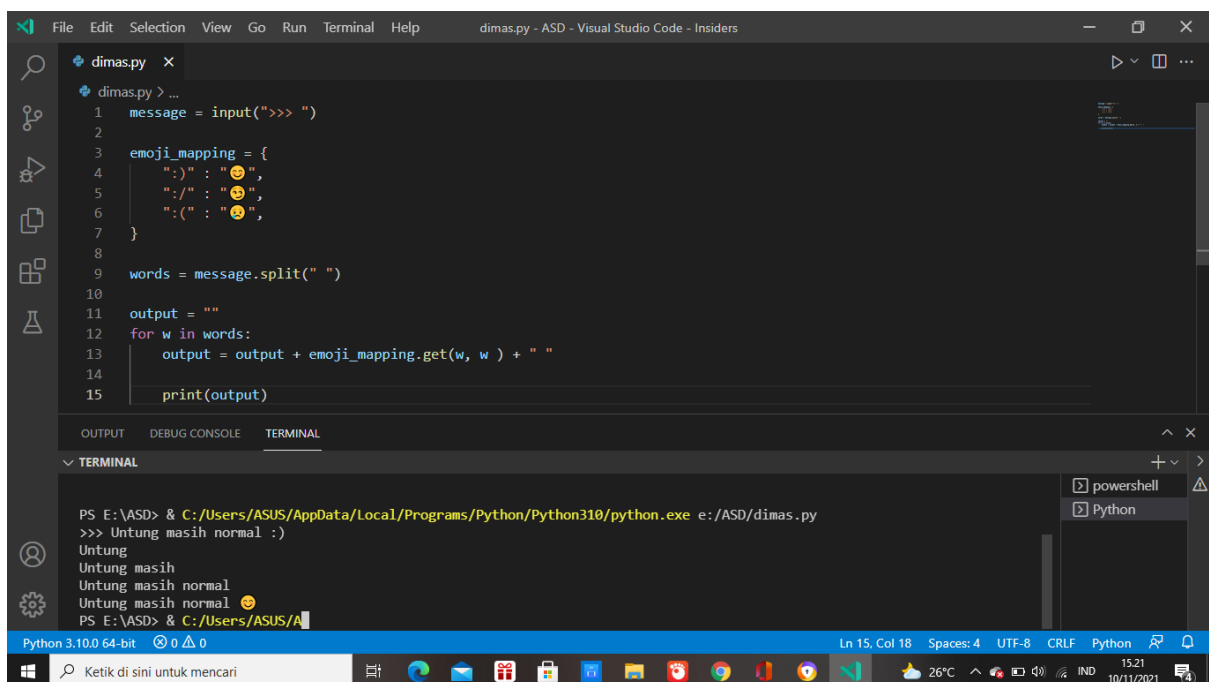
Windows PowerShell
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PS E:\arif & C:\Users\ASUS\AppData\Local\Programs\Python\Python39\python.exe e:/arif/dimas.py
Masukkan angka : 294
dua
dua sembilan
dua sembilan empat
PS E:\arif >

Python 3.9.2 64-bit 0 0 0 Ln 20, Col 32 Spaces: 4 UTF-8 CRLF Python

2. Emoji Converter



```
File Edit Selection View Go Run Terminal Help
dimas.py - ASD - Visual Studio Code - Insiders

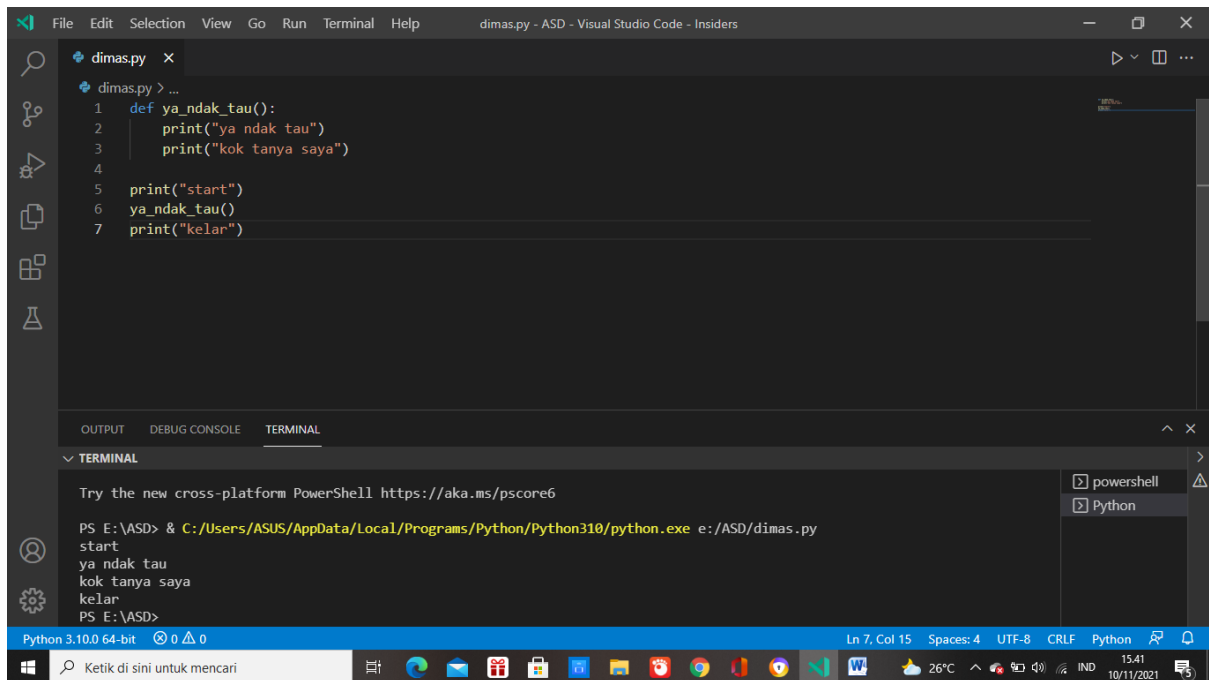
dimas.py > ...
1 message = input(">>> ")
2
3 emoji_mapping = {
4     ":)" : "😄",
5     ":/ " : "😓",
6     ":( " : "😞",
7 }
8
9 words = message.split(" ")
10
11 output = ""
12 for w in words:
13     output = output + emoji_mapping.get(w, w) + " "
14
15 print(output)
```

OUTPUT DEBUG CONSOLE TERMINAL

PS E:\ASD & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe e:/ASD/dimas.py
>>> Untung masih normal :)
Untung
Untung masih
Untung masih normal
Untung masih normal 😄
PS E:\ASD & C:\Users\ASUS/A

Python 3.10.0 64-bit 0 0 0 Ln 15, Col 18 Spaces: 4 UTF-8 CRLF Python

3. Fungsi

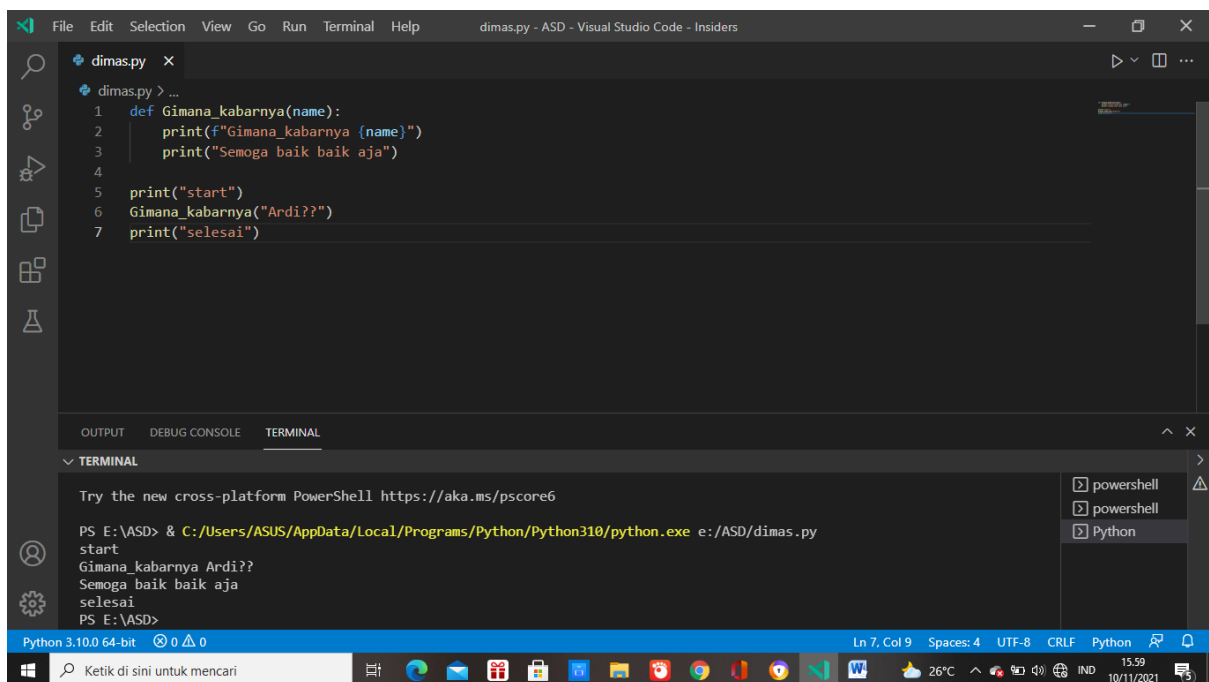


The screenshot shows the Visual Studio Code editor with a file named `dimas.py` open. The code defines a function `ya_ndak_tau()` that prints "ya ndak tau" and "kok tanya saya", followed by a `print("start")` statement, a call to `ya_ndak_tau()`, and a final `print("kelar")` statement. The terminal at the bottom shows the command `python.exe e:/ASD/dimas.py` being executed, resulting in the output: `start`, `ya ndak tau`, `kok tanya saya`, and `kelar`.

```
1 def ya_ndak_tau():
2     print("ya ndak tau")
3     print("kok tanya saya")
4
5 print("start")
6 ya_ndak_tau()
7 print("kelar")
```

```
PS E:\ASD> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe e:/ASD/dimas.py
start
ya ndak tau
kok tanya saya
kelar
PS E:\ASD>
```

4. Parameter Fungsi

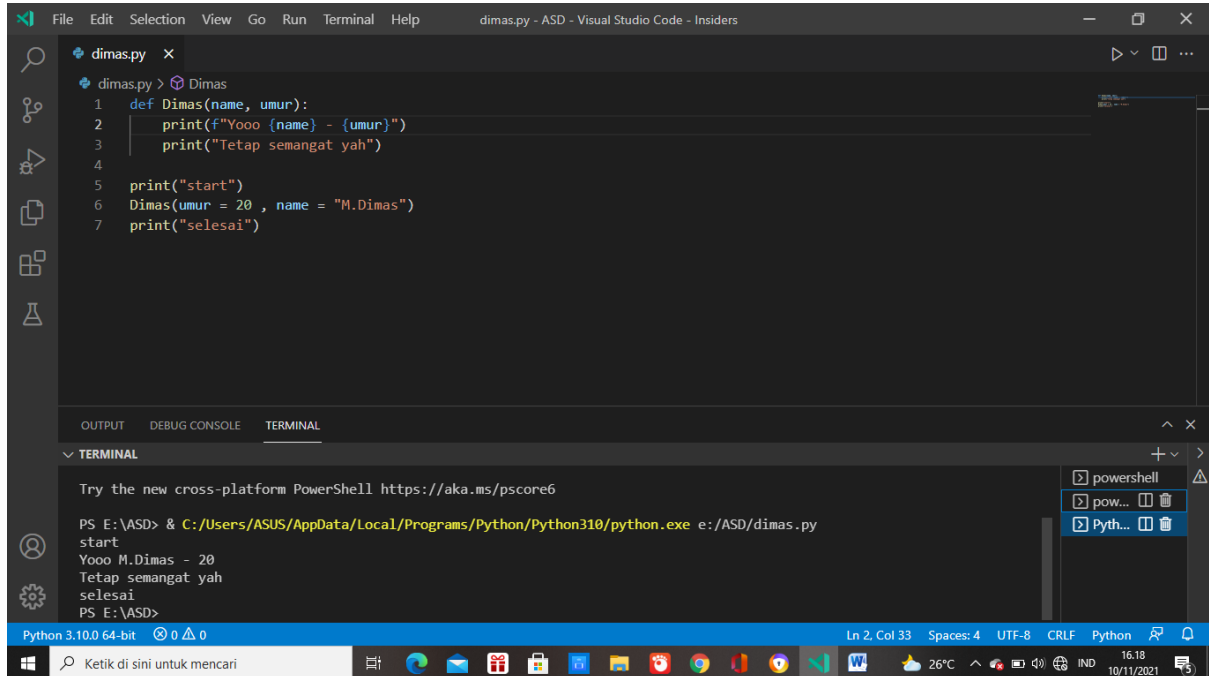


The screenshot shows the Visual Studio Code editor with a file named `dimas.py` open. The code defines a function `Gimana_kabarinya(name)` that takes a parameter `name` and prints `f"Gimana_kabarinya {name}"` and "Semoga baik baik aja". It then prints "start", calls `Gimana_kabarinya("Ardi??")`, and prints "selesai". The terminal at the bottom shows the command `python.exe e:/ASD/dimas.py` being executed, resulting in the output: `start`, `Gimana_kabarinya Ardi??`, `Semoga baik baik aja`, and `selesai`.

```
1 def Gimana_kabarinya(name):
2     print(f"Gimana_kabarinya {name}")
3     print("Semoga baik baik aja")
4
5 print("start")
6 Gimana_kabarinya("Ardi??")
7 print("selesai")
```

```
PS E:\ASD> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe e:/ASD/dimas.py
start
Gimana_kabarinya Ardi??
Semoga baik baik aja
selesai
PS E:\ASD>
```

5. Keyword Argument



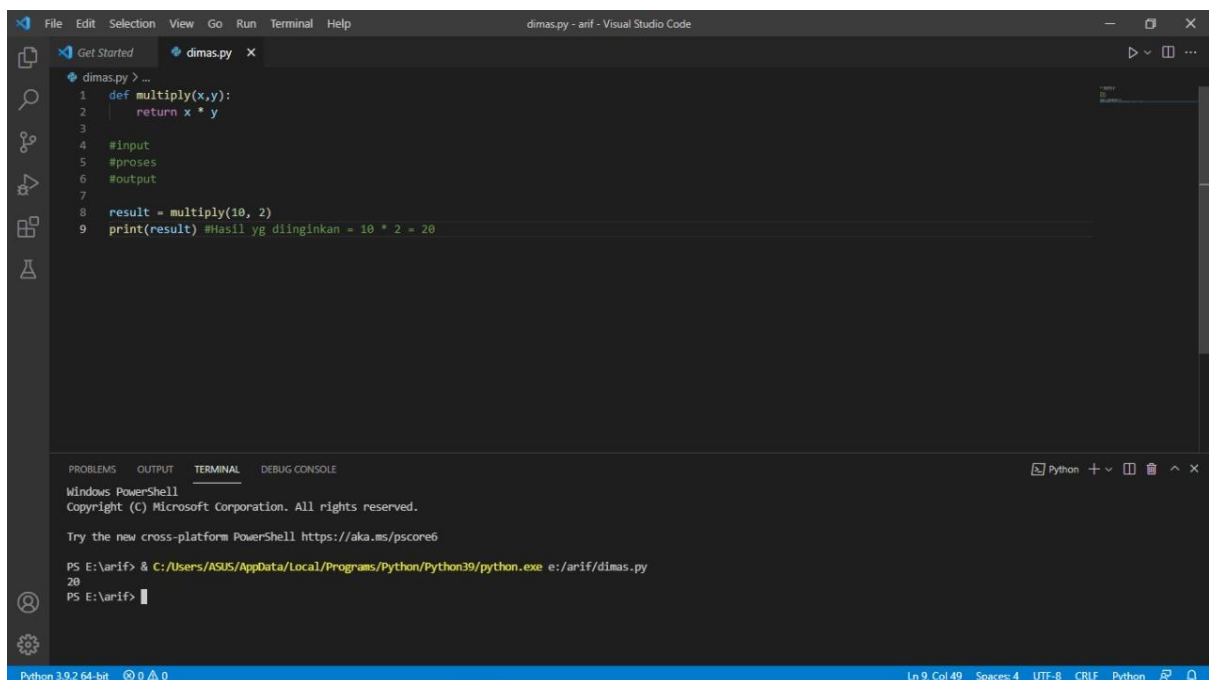
The screenshot shows the Visual Studio Code editor with a file named `dimas.py` open. The code defines a function `Dimas` that takes `name` and `umur` as arguments. It prints a greeting, a motivational message, and the start/end of the program. The terminal shows the command to run the script and the output.

```
dimas.py x
dimas.py > Dimas
1 def Dimas(name, umur):
2     print(f"Yooo {name} - {umur}")
3     print("Tetap semangat yah")
4
5 print("start")
6 Dimas(umur = 20 , name = "M.Dimas")
7 print("selesai")

OUTPUT DEBUG CONSOLE TERMINAL
TERMINAL
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PS E:\ASD> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe e:/ASD/dimas.py
start
Yooo M.Dimas - 20
Tetap semangat yah
selesai
PS E:\ASD>
```

6. Return Value



The screenshot shows the Visual Studio Code editor with a file named `dimas.py` open. The code defines a function `multiply` that takes two arguments `x` and `y` and returns their product. It then calls the function with `10` and `2` and prints the result. The terminal shows the command to run the script and the output.

```
dimas.py x
dimas.py > ...
1 def multiply(x,y):
2     return x * y
3
4 #input
5 #proses
6 #output
7
8 result = multiply(10, 2)
9 print(result) #Hasil yg diinginkan = 10 * 2 = 20

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Windows PowerShell
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PS E:\arif> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe e:/arif/dimas.py
20
PS E:\arif>
```