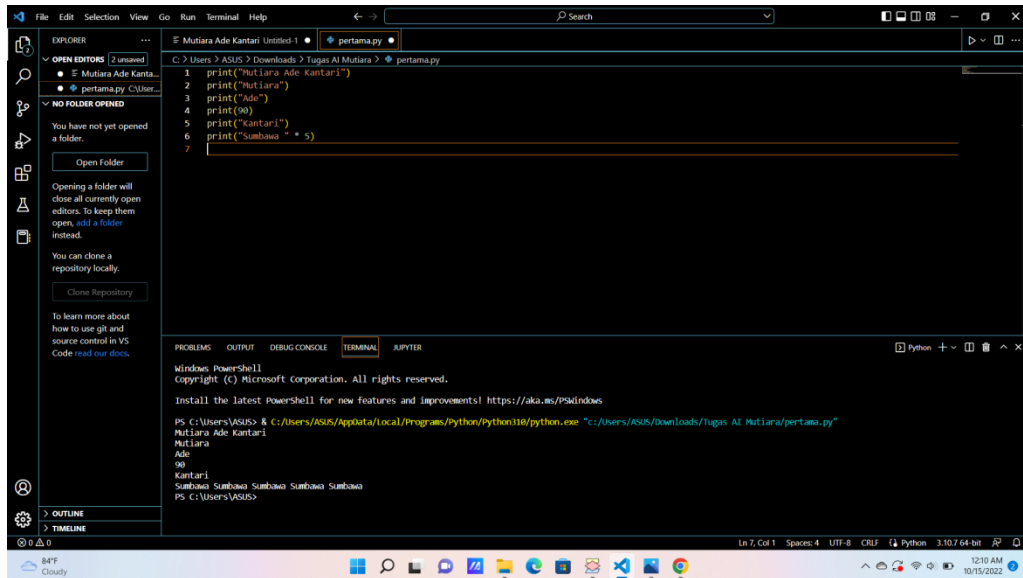


MINGGU II PY1

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1. Python Pertama



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a file named `pertamapy.py` under the folder `Mutiara Ade Kantari`. The main editor displays the following Python code:

```
1 print("Mutiara Ade Kantari")
2 print("Mutiara")
3 print("Ade")
4 print(00)
5 print("Kantari")
6 print("Sumbawa" * 5)
7
```

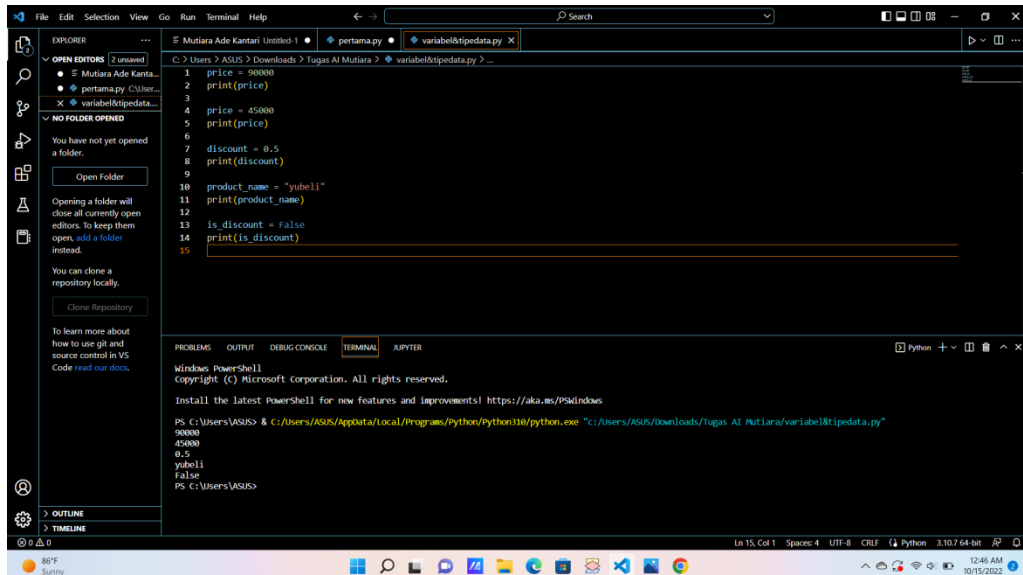
The TERMINAL panel at the bottom shows the output of running the script:

```
Windows PowerShell
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PS C:\Users\ASUS> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe "C:\Users\ASUS\Downloads\Tugas AI Mutiara\pertamapy.py"
Mutiara Ade Kantari
Mutiara
Ade
00
Kantari
Sumbawa Sumbawa Sumbawa Sumbawa Sumbawa
PS C:\Users\ASUS>
```

2. Variabel dan Tipe data



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a file named `variabel&tipeData.py` under the folder `Mutiara Ade Kantari`. The main editor displays the following Python code:

```
1 price = 90000
2 print(price)
3
4 price = 45000
5 print(price)
6
7 discount = 0.5
8 print(discount)
9
10 product_name = "yuheli"
11 print(product_name)
12
13 is_discount = False
14 print(is_discount)
15
```

The TERMINAL panel at the bottom shows the output of running the script:

```
Windows PowerShell
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PS C:\Users\ASUS> & C:\Users\ASUS\AppData\Local\Programs\Python\Python310\python.exe "C:\Users\ASUS\Downloads\Tugas AI Mutiara\variabel&tipeData.py"
90000
45000
0.5
yuheli
False
PS C:\Users\ASUS>
```

The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a project named 'Mutlari Ade Kantari' with two files: 'pertama.py' and 'variabel&tipedata.py'. The main editor window displays the content of 'variabel&tipedata.py', which is a Python script. The script defines variables for price, discount, product name, and is_discount, and prints their values. The output of the script is shown in the terminal window at the bottom, which is titled 'TERMINAL'. The terminal shows the command to run the script and the resulting output.

```
1 price = 90000
2 print(price)
3
4 price = 45000
5 print(price)
6
7 discount = 0.5
8 print(discount)
9
10 product_name = "yubelli"
11 print(product_name)
12
13 is_discount = True
14 print(is_discount)
15
```

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PS C:\Users\ASUS> & c:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Downloads/Tugas AI Mutlari/variabel&tipedata.py"

90000
45000
0.5
yubelli
True
PS C:\Users\ASUS>

The screenshot shows the Visual Studio Code interface with the same project as the first image. The main editor window displays the content of 'variabel&tipedata.py', which has been modified. The script now calculates the final price by multiplying the original price by the discount, and sets is_discount to False. The output of the script is shown in the terminal window at the bottom, which is titled 'TERMINAL'. The terminal shows the command to run the script and the resulting output.

```
1 price = 90000
2 print(price)
3
4 discount = 0.5
5 print(discount)
6
7 price = price * discount
8 print(price)
9
10 product_name = "yubelli"
11 print(product_name)
12
13 is_discount = False
14 print(is_discount)
15
```

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PS C:\Users\ASUS> & c:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Downloads/Tugas AI Mutlari/variabel&tipedata.py"

90000
0.5
45000.0
yubelli
False
PS C:\Users\ASUS>

3. Menerima Input User

The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a project named 'Mutlara Ade Kantari' with files 'pertama.py', 'variabel&tipedata.py', and 'Menerima input user.py'. The main editor displays the content of 'Menerima input user.py', which contains the following Python code:

```
1 name = input("Siapa nama kamu? ")
2 sentence = name + " selamat datang di python"
3 print(sentence)
```

The bottom panel shows the integrated terminal running a Windows PowerShell command to execute the script:

```
PS C:\Users\ASUS> & C:\Users\ASUS\AppData\Local\Programs\Python\Python110\python.exe "c:/Users/ASUS/Downloads/Tugas AI Mutlara/Menerima input user.py"
Siapa nama kamu? Mutlara Ade Kantari
Mutlara Ade Kantari selamat datang di python
PS C:\Users\ASUS>
```

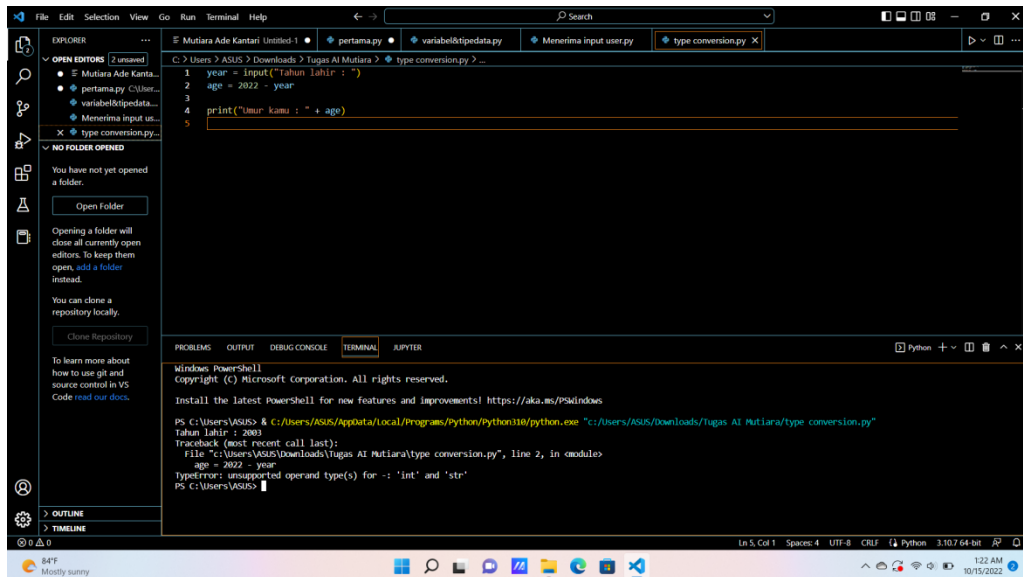
The screenshot shows the Visual Studio Code interface with the same project. The main editor displays the content of 'Menerima input user.py', which has been updated to:

```
1 name = input("Siapa nama kamu? ")
2 hobby = input("Apa hobiimu? ")
3
4 print(name + "hobiimu adalah " + hobby)
```

The bottom panel shows the integrated terminal running the script again, demonstrating the updated functionality:

```
PS C:\Users\ASUS> & C:\Users\ASUS\AppData\Local\Programs\Python\Python110\python.exe "c:/Users/ASUS/Downloads/Tugas AI Mutlara/Menerima input user.py"
Siapa nama kamu? Mutlara Ade Kantari
Apa hobiimu? Menonton
Mutlara Ade Kantari:hobiimu adalah Menonton
PS C:\Users\ASUS>
```

4. Type conversion



The screenshot shows the VS Code editor with a file named `type conversion.py` open. The code in the editor is as follows:

```
1 year = input("Tahun lahir : ")
2 age = 2022 - year
3
4 print("Umur kamu : " + age)
5
```

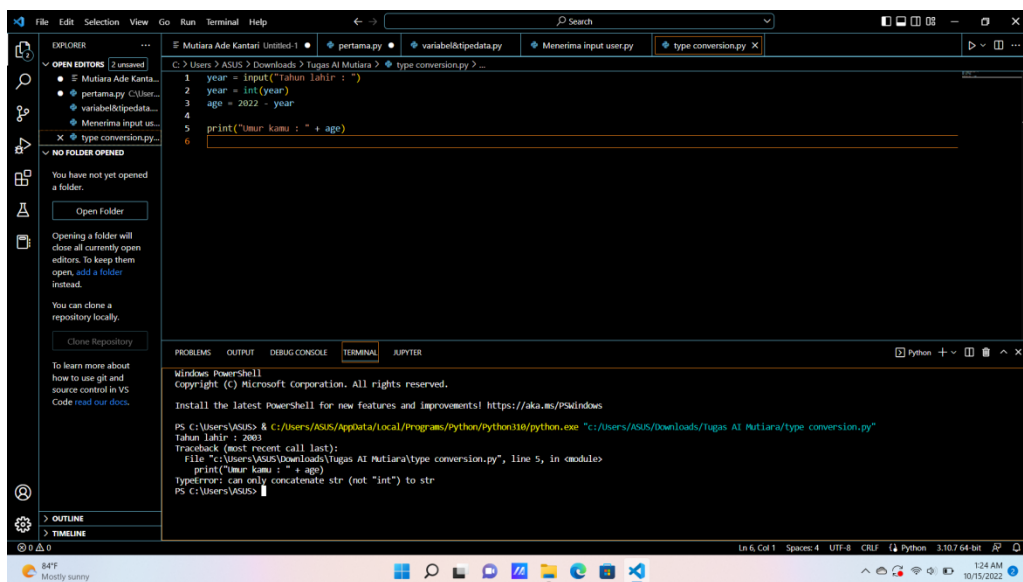
The terminal window at the bottom shows the command prompt output:

```
Windows PowerShell
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PS C:\Users\ASUS> & c:\Users\ASUS\AppData\Local\Programs\Python\Python110\python.exe "c:/Users/ASUS/Downloads/Tugas AI Mutiara/type conversion.py"
Tahun lahir : 2003
Traceback (most recent call last):
  File "c:/Users/ASUS/Downloads/Tugas AI Mutiara/type conversion.py", line 2, in <module>
    age = 2022 - year
TypeError: unsupported operand type(s) for -: 'int' and 'str'
PS C:\Users\ASUS>
```

The error message indicates that the variable `year` is a string, and the subtraction operation `2022 - year` is invalid because you cannot subtract a string from an integer.



The screenshot shows the VS Code editor with the same file `type conversion.py` open. The code has been corrected to perform type conversion:

```
1 year = input("Tahun lahir : ")
2 year = int(year)
3 age = 2022 - year
4
5 print("Umur kamu : " + age)
6
```

The terminal window shows the command prompt output after running the corrected script:

```
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PS C:\Users\ASUS> & c:\Users\ASUS\AppData\Local\Programs\Python\Python110\python.exe "c:/Users/ASUS/Downloads/Tugas AI Mutiara/type conversion.py"
Tahun lahir : 2003
Traceback (most recent call last):
  File "c:/Users/ASUS/Downloads/Tugas AI Mutiara/type conversion.py", line 5, in <module>
    print("Umur kamu : " + age)
TypeError: can only concatenate str (not "int") to str
PS C:\Users\ASUS>
```

The error message now indicates that the variable `age` is an integer, and the concatenation operation `"Umur kamu : " + age` is invalid because you cannot concatenate a string and an integer. The next step would be to convert `age` to a string.

