

Tutorial Python 1

Nama : Nessa Kartika

NIM : 211001039

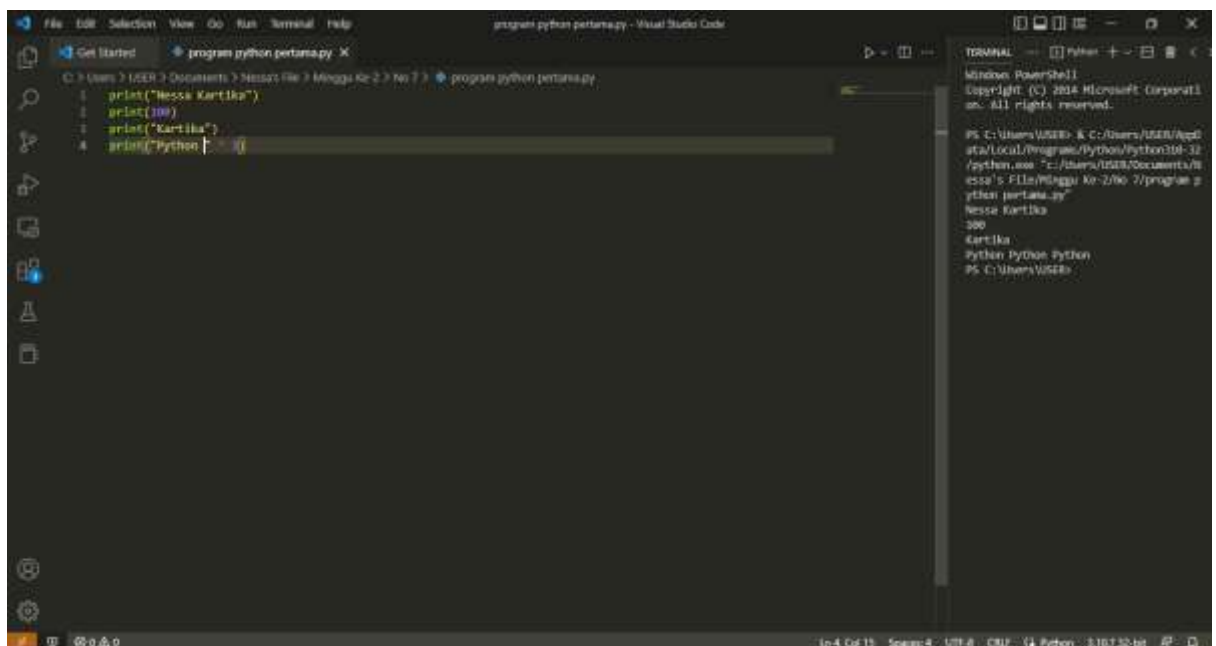
Kelas : 3D Informatika

Mempraktikkan tema pada VS-Code menggunakan PL Python

Waktu dan Tema pada video youtube :

1.) 5:09 Program python pertama

Kata Print akan mencetak apa yang akan tampil ketika run.



The screenshot shows the Visual Studio Code interface with a file named 'program python pertama.py' open. The code in the editor is as follows:

```
1 print("Nessa Kartika")
2 print(100)
3 print("Kartika")
4 print("Python")
```

The output of the program is displayed in the integrated terminal on the right side of the window:

```
Windows PowerShell
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PS C:\Users\USER> & C:\Users\USER\AppData\Local\Programs\Python\Python38-32\python.exe "c:/Users/USER/Documents/Nessa's Files/Minggu Ke-2/No 7/program python pertama.py"
Nessa Kartika
100
Kartika
Python
PS C:\Users\USER>
```

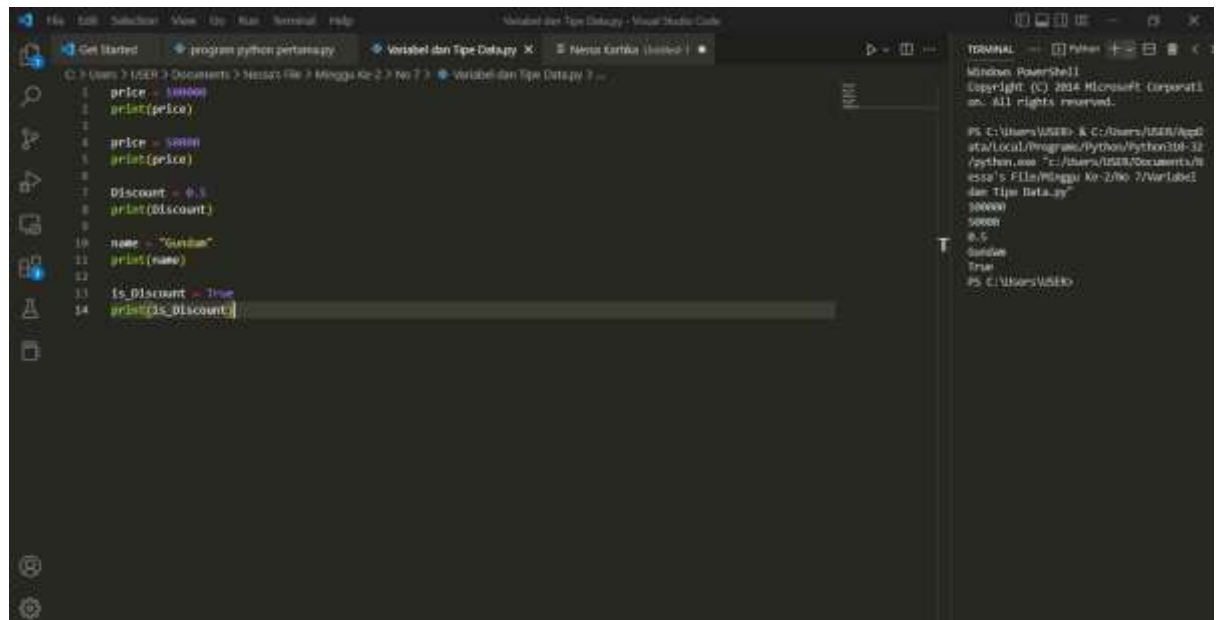
The status bar at the bottom indicates the file is 'Ln 4, Col 15', has 'Spaces: 4', is in 'UTF-8' encoding, and is using the 'Python' interpreter at '3.10.7 32-bit'.

2.) 13:13 Variabel dan Tipe Data

Ada 4 Tipe data yang dipraktikkan yaitu :

1. Int (angka)
2. Float (angka pecahan menggunakan (,) diganti menggunakan (.) contoh : 0,5 = 0.5
3. Str (name). Contoh “Gundam”
4. Boolean (True/Fals)

Boolean biasanya di python di awali kata is_ (kata True/Fals harus menggunakan huruf kapital diawal). Contoh is_discount = True



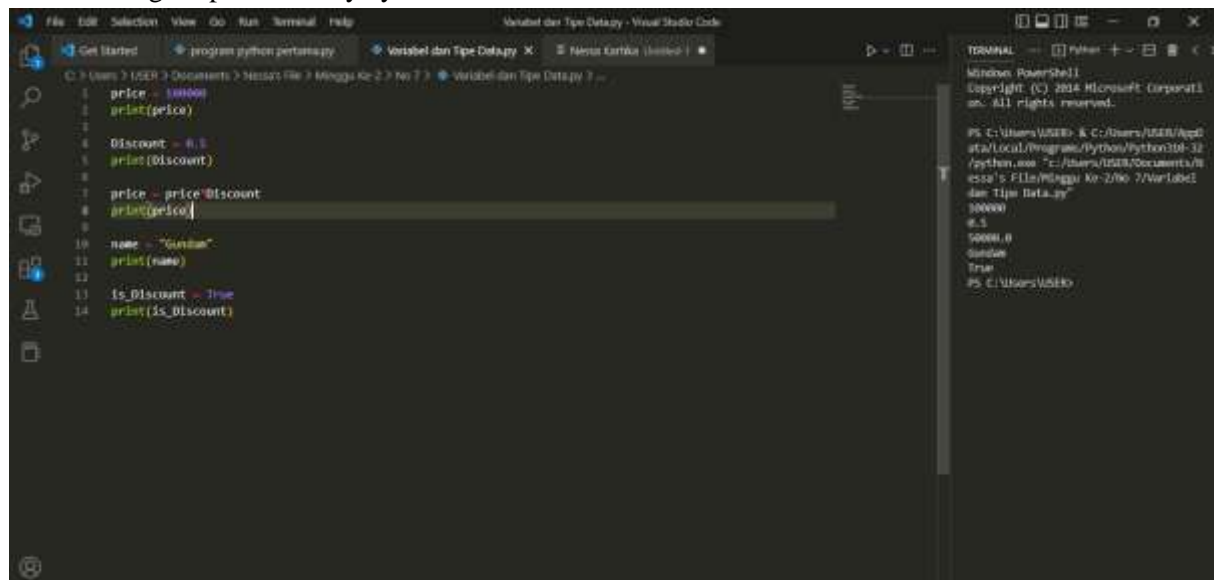
```
1 price = 10000
2 print(price)
3
4 price = 5000
5 print(price)
6
7 Discount = 0.5
8 print(Discount)
9
10 name = "Gundam"
11 print(name)
12
13 is_Discount = True
14 print(is_Discount)
```

Terminal Output:

```
Windows PowerShell
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PS C:\Users\USER> & C:\Users\USER\AppData\Local\Programs\Python\Python318-32\python.exe "c:/Users/USER/Documents/Notes's File/Minggu Ke-2/No 7/Variabel dan Tipe Data.py"
10000
5000
0.5
Gundam
True
PS C:\Users\USER>
```

Contoh menghitung discountnya yaitu :



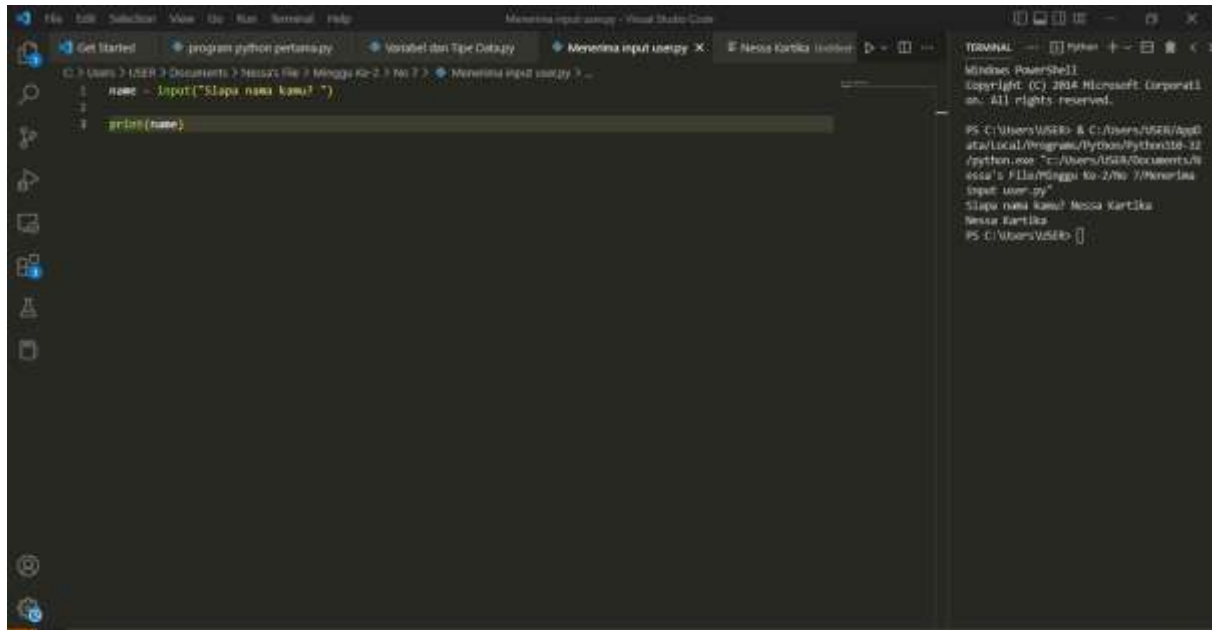
```
1 price = 10000
2 print(price)
3
4 Discount = 0.5
5 print(Discount)
6
7 price = price * Discount
8 print(price)
9
10 name = "Gundam"
11 print(name)
12
13 is_Discount = True
14 print(is_Discount)
```

Terminal Output:

```
Windows PowerShell
Copyright (C) 2014 Microsoft Corporation. All rights reserved.

PS C:\Users\USER> & C:\Users\USER\AppData\Local\Programs\Python\Python318-32\python.exe "c:/Users/USER/Documents/Notes's File/Minggu Ke-2/No 7/Variabel dan Tipe Data.py"
10000
0.5
5000.0
Gundam
True
PS C:\Users\USER>
```

3.) 25:31 Menerima Input User



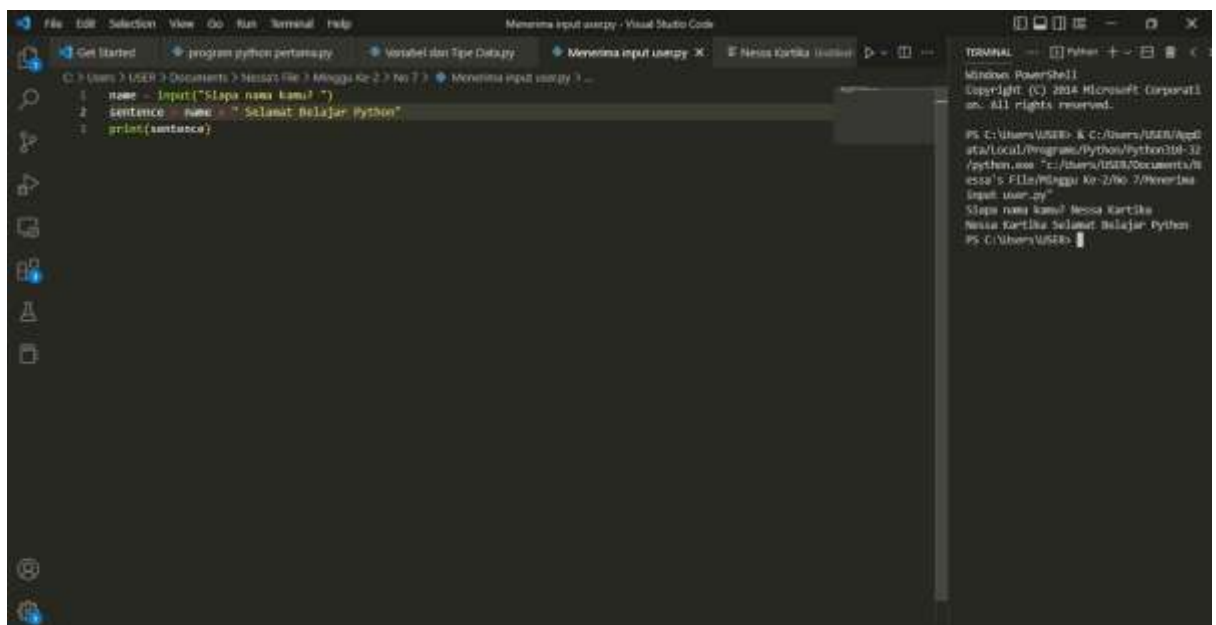
The screenshot shows the Visual Studio Code interface with a file named 'Menerima input user.py'. The code in the editor is as follows:

```
1 name = input("Siapa nama kamu? ")
2
3 print(name)
```

The right-hand side of the image shows the integrated terminal running the script. The output is:

```
PS C:\Users\USER> & C:\Users\USER\AppData\Local\Programs\Python\Python38-32\python.exe "C:\Users\USER\Documents\Nessa's File\Minggu Ke-2\No 7\Menerima input user.py"
Siapa nama kamu? Nessa Kartika
Nessa Kartika
PS C:\Users\USER>
```

Apabila kita menambahkan sentence dibaris kedua misalnya seperti :
Sentence = name + “ Selamat Belajar python”
Dan mengubah print nya menjadi print(sentence) maka tampilannya seperti berikut :



The screenshot shows the Visual Studio Code interface with the same file 'Menerima input user.py'. The code has been updated to:

```
1 name = input("Siapa nama kamu? ")
2 sentence = name + " Selamat Belajar python"
3 print(sentence)
```

The terminal output now shows the concatenated string:

```
PS C:\Users\USER> & C:\Users\USER\AppData\Local\Programs\Python\Python38-32\python.exe "C:\Users\USER\Documents\Nessa's File\Minggu Ke-2\No 7\Menerima input user.py"
Siapa nama kamu? Nessa Kartika
Nessa Kartika Selamat Belajar python
PS C:\Users\USER>
```

Contoh lainnya seperti berikut



```
File Edit Selection View Go Run Terminal Help
Menemina input usang.py - Visual Studio Code

Get Started program python pertama.py Variabel dan Tipe Data.py Menemina input usang.py X Nissa Kartika: Unlabeled

C:\Users\USER\Documents> Nissa's File > Minggu Ke-2 > No 7 > Menemina input usang.py
1 name = input("Siapa nama kamu? ")
2 hoby = input("Apa hoby kamu? ")
3 sentence = name + " Hoby mu adalah " + hoby
4 print(sentence)
```

```
Windows PowerShell
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PS C:\Users\USER> & C:\Users\USER\AppData\Local\Programs\Python\Python38-32\python.exe "C:\Users\USER\Documents\Nissa's File\Minggu Ke-2\No 7\Menemina input usang.py"
Siapa nama kamu? Nissa Kartika
Apa hoby kamu? main game
Nissa Kartika hoby su adalah main game

PS C:\Users\USER>
```

Dan bisa juga seperti berikut :



```
File Edit Selection View Go Run Terminal Help
Menemina input usang.py - Visual Studio Code

Get Started program python pertama.py Variabel dan Tipe Data.py Menemina input usang.py X Nissa Kartika: Unlabeled

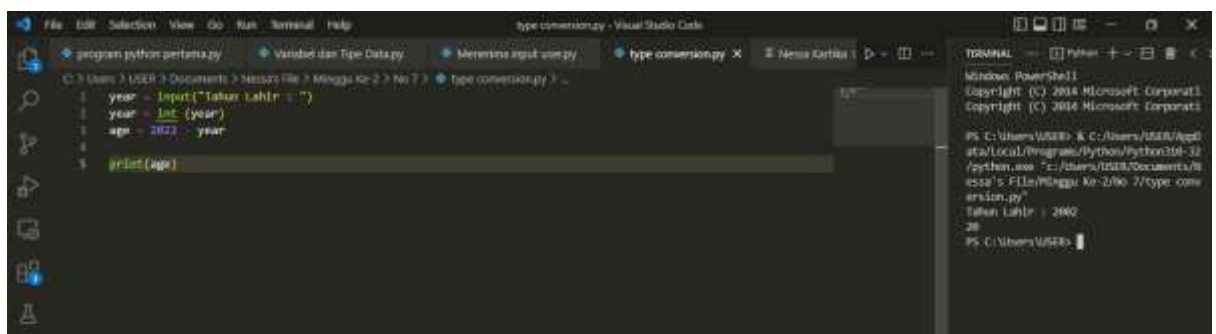
C:\Users\USER\Documents> Nissa's File > Minggu Ke-2 > No 7 > Menemina input usang.py
1 name = input("Siapa nama kamu? ")
2 hoby = input("Apa hoby kamu? ")
3 sentence = name + " Hoby kamu adalah " + hoby
4 print(sentence)
```

```
Windows PowerShell
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PS C:\Users\USER> & C:\Users\USER\AppData\Local\Programs\Python\Python38-32\python.exe "C:\Users\USER\Documents\Nissa's File\Minggu Ke-2\No 7\Menemina input usang.py"
Siapa nama kamu? Nissa Kartika
Apa hoby kamu? main game
Nissa Kartika hoby kamu adalah main game

PS C:\Users\USER>
```

4.) 31:04 Type conversion



```
File Edit Selection View Go Run Terminal Help
type conversion.py - Visual Studio Code

program python pertama.py Variabel dan Tipe Data.py Menemina input usang.py type conversion.py X Nissa Kartika: Unlabeled

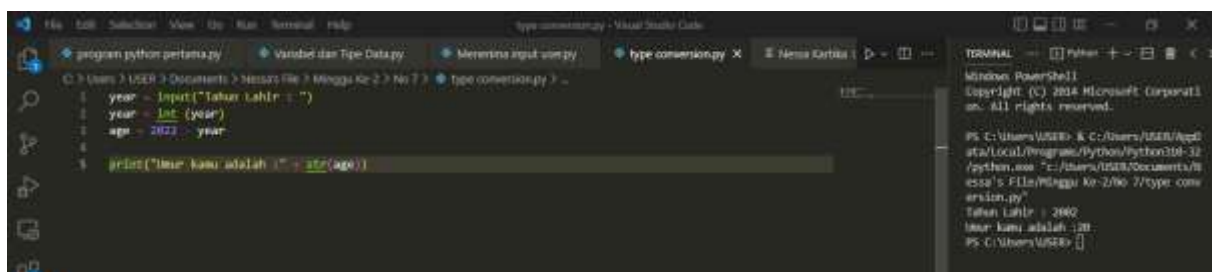
C:\Users\USER\Documents> Nissa's File > Minggu Ke-2 > No 7 > type conversion.py
1 year = input("Tahun Lahir : ")
2 year = int(year)
3 age = 2022 - year
4 print(age)
```

```
Windows PowerShell
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PS C:\Users\USER> & C:\Users\USER\AppData\Local\Programs\Python\Python38-32\python.exe "C:\Users\USER\Documents\Nissa's File\Minggu Ke-2\No 7\type conversion.py"
Tahun Lahir : 2000
20

PS C:\Users\USER>
```

Apabila ingin menambah kan kata “umur kamu adalah :” di hasil outputnya dan terjadi eror, itu dikarenakan string kata “umur kamu adalah :” dan int age tidak bisa digabung, maka harus mengubah int menjadi string agar sama-sama string dan tidak terjadi error. Cara mengubahnya cukup mudah dengan menambahkan str(age) pada print. Seperti pada contoh berikut :



```
File Edit Selection View Go Run Terminal Help
type conversion.py - Visual Studio Code

program python pertama.py Variabel dan Tipe Data.py Menemina input usang.py type conversion.py X Nissa Kartika: Unlabeled

C:\Users\USER\Documents> Nissa's File > Minggu Ke-2 > No 7 > type conversion.py
1 year = input("Tahun Lahir : ")
2 year = int(year)
3 age = 2022 - year
4 print("umur kamu adalah : " + str(age))
```

```
Windows PowerShell
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on. All rights reserved.

PS C:\Users\USER> & C:\Users\USER\AppData\Local\Programs\Python\Python38-32\python.exe "C:\Users\USER\Documents\Nissa's File\Minggu Ke-2\No 7\type conversion.py"
Tahun Lahir : 2000
umur kamu adalah :20

PS C:\Users\USER>
```