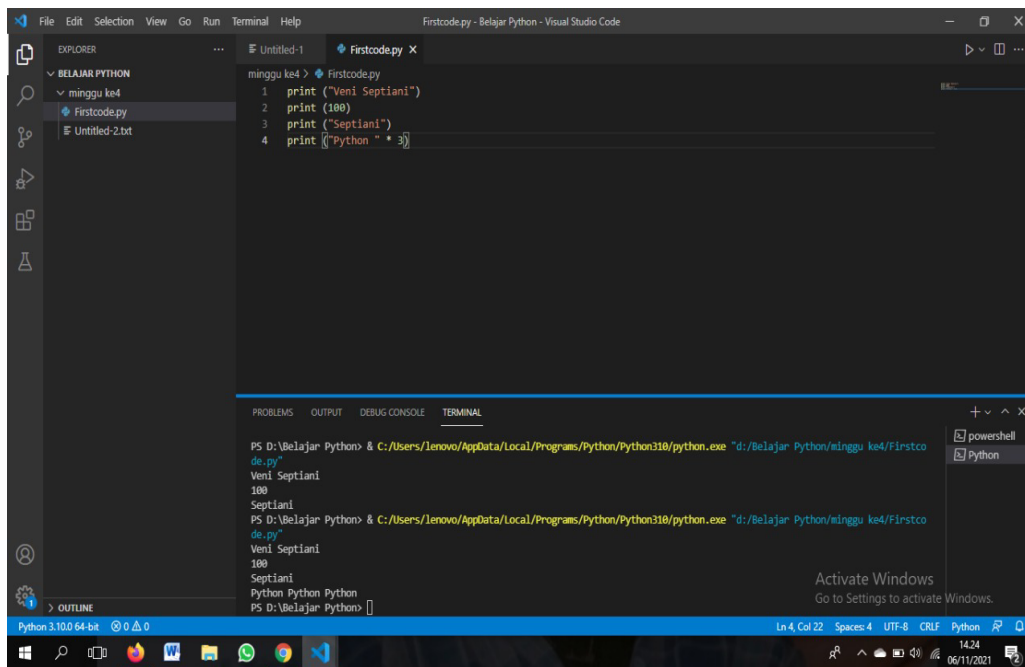


Tugas Python 1

Mempraktekkan tema dari youtube kemudian dijalankan.

a. Program python pertama

Print merupakan function bawaan dari python. String adalah kumpulan karakter yang mana ditandai dengan tanda petik(" , "). Berikut adalah program python pertama dari contoh video di youtube:



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a project named 'BELAJAR PYTHON' with a file 'Firstcode.py' selected. The main editor displays the following Python code:

```
1 print("Veni Septiani")
2 print(100)
3 print("Septiani")
4 print("Python " * 3)
```

The TERMINAL panel at the bottom shows the command prompt output after running the script:

```
PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
Veni Septiani
100
Septiani
Python Python Python
```

b. Variable dan Tipe Data

Variable adalah wadah yang digunakan untuk menyimpan suatu nilai, yang mana nilainya itu berubah-ubah. Tipe data terdiri dari integer(bilangan bulat), string (kumpulan karakter yang diapit oleh tanda petik), Boolean yaitu mengandung dua nilai yaitu False dan True, dan yang terakhir adalah float (bilangan decimal).

Berikut adalah contohnya:

The screenshot shows the Visual Studio Code interface with a file named `Firstcode.py` open. The code in the editor is as follows:

```
1 price = 1000000
2 print (price)
3
4 discount = 0.5
5 print (discount)
6
7 price = price * discount
8 print (price)
9
10 Product_name = "Gundam"
11 print (product_name)
12
13 is_discount = False
14 print (is_discount)
```

The terminal window at the bottom shows the execution of the script. It displays the output of the first two print statements, followed by a `NameError` because the variable `product_name` is not defined (the code uses `product_name` instead of `Product_name`).

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

PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
1000000
0.5
500000.0
Traceback (most recent call last):
  File "d:/Belajar Python/minggu ke4/Firstcode.py", line 11, in <module>
    print (product_name)
NameError: name 'product_name' is not defined. Did you mean: 'Product_name'?
PS D:\Belajar Python>
```

c. Menerima input user

The screenshot shows the Visual Studio Code interface with a file named `Firstcode.py` open. The code in the editor is as follows:

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

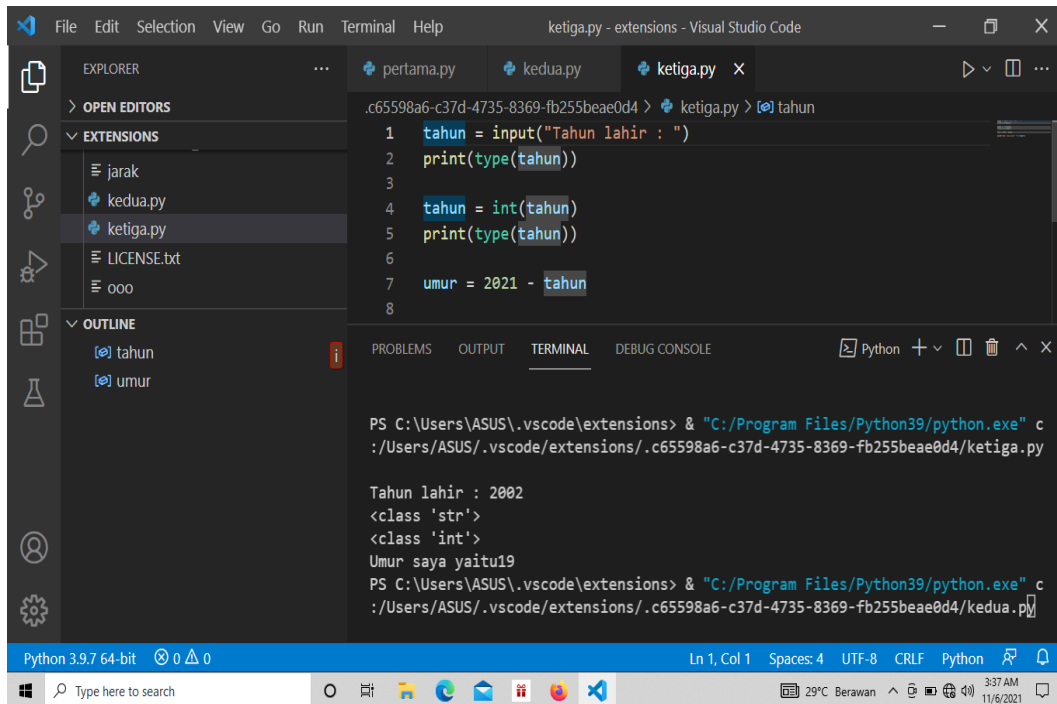
The terminal window at the bottom shows the execution of the script. It prompts the user for their name and hobby, and then prints the concatenated result.

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

PS D:\Belajar Python> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "d:/Belajar Python/minggu ke4/Firstcode.py"
Siapa nama kamu? Veni Septiani!
Apa hobimu? Bermain bola volly dan membaca
Veni Septiani hobimu adalah Bermain bola volly dan membaca
PS D:\Belajar Python>
```

d. Type conversion

Adalah mengubah tipe data dari tipe yang satu ke tipe yang lain



The screenshot shows the Visual Studio Code interface with a Python file named `ketiga.py` open. The file contains the following code:

```
1 tahun = input("Tahun lahir : ")
2 print(type(tahun))
3
4 tahun = int(tahun)
5 print(type(tahun))
6
7 umur = 2021 - tahun
8
```

The left sidebar shows the Explorer view with the file `ketiga.py` selected. The bottom panel shows the Terminal view with the following output:

```
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" c
:/Users/ASUS/.vscode/extensions/.c65598a6-c37d-4735-8369-fb255beae0d4/ketiga.py

Tahun lahir : 2002
<class 'str'>
<class 'int'>
Umur saya yaitui9
PS C:\Users\ASUS\.vscode\extensions> & "C:/Program Files/Python39/python.exe" c
:/Users/ASUS/.vscode/extensions/.c65598a6-c37d-4735-8369-fb255beae0d4/ketiga.py
```

The status bar at the bottom indicates the Python 3.9.7 64-bit environment is active, and the file is encoded in UTF-8 with CRLF line endings.