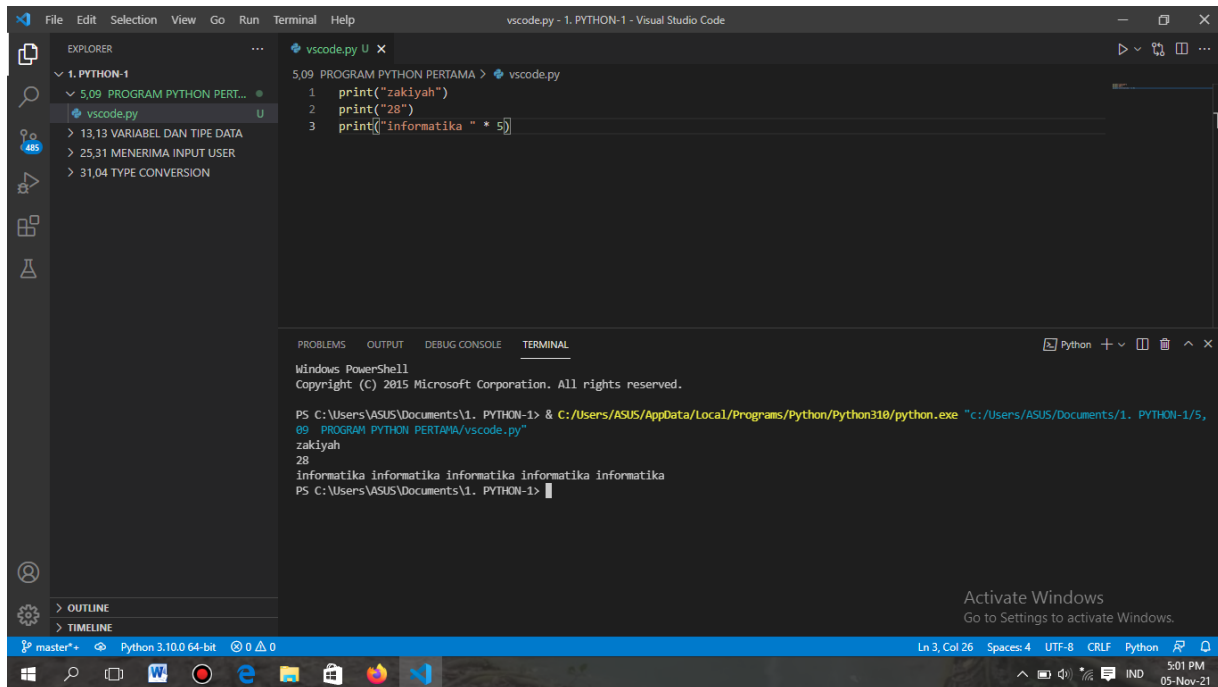


Nama : zakiyah

Nim : 20.01.013.030

Kelas : AI b

1. Program python pertama



The screenshot shows the Visual Studio Code interface with a Python file named `vscode.py` open. The Explorer sidebar on the left shows a project structure with a folder `1. PYTHON-1` containing `5,09 PROGRAM PYTHON PERTAMA` and `vscode.py`. The main editor displays the following code:

```
5,09 PROGRAM PYTHON PERTAMA > vscode.py
1  print("zakiyah")
2  print("28")
3  print("informatika " * 5)
```

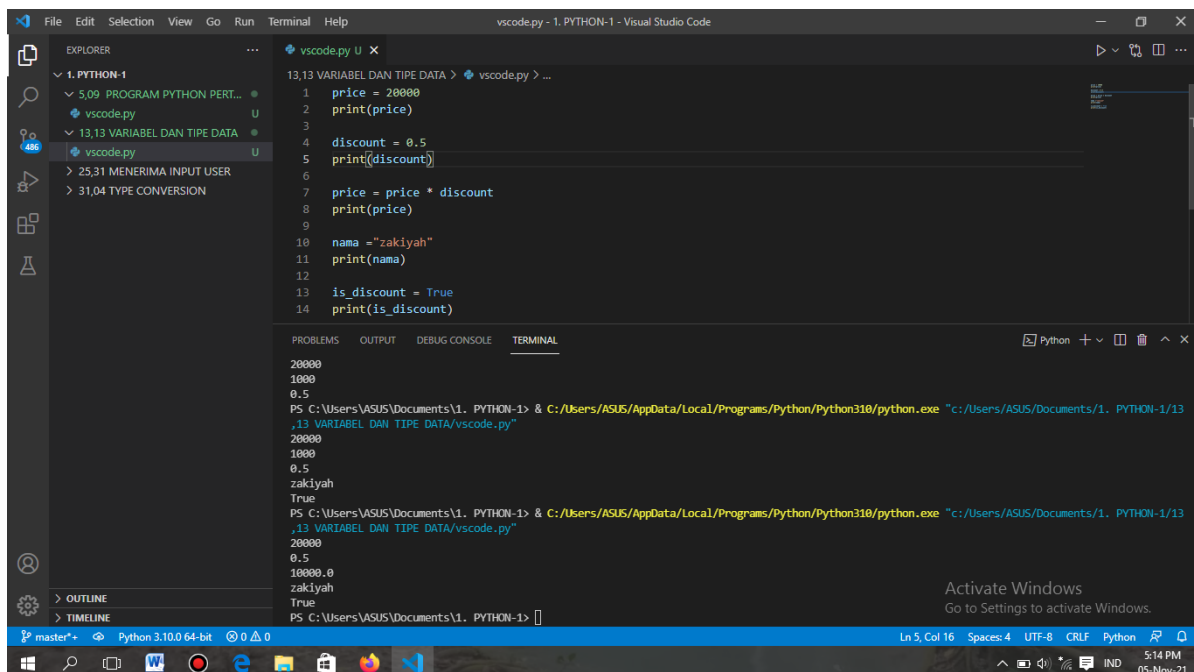
The TERMINAL panel at the bottom shows the output of the program:

```
Windows PowerShell
Copyright (C) 2015 Microsoft Corporation. All rights reserved.

PS C:\Users\ASUS\Documents\1. PYTHON-1> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Documents/1. PYTHON-1/5,09 PROGRAM PYTHON PERTAMA/vscode.py"
zakiyah
28
informatika informatika informatika informatika informatika
PS C:\Users\ASUS\Documents\1. PYTHON-1>
```

The status bar at the bottom indicates the file is at Line 3, Column 26, with 4 spaces, UTF-8 encoding, CRLF line endings, and the Python interpreter is set to Python 3.10.0 64-bit.

2. Variabel dan tipe data



The screenshot shows the Visual Studio Code interface with a Python file named `vscode.py` open. The Explorer sidebar on the left shows a project structure with a folder `1. PYTHON-1` containing `5,09 PROGRAM PYTHON PERTAMA`, `13,13 VARIABEL DAN TIPE DATA`, and `vscode.py`. The main editor displays the following code:

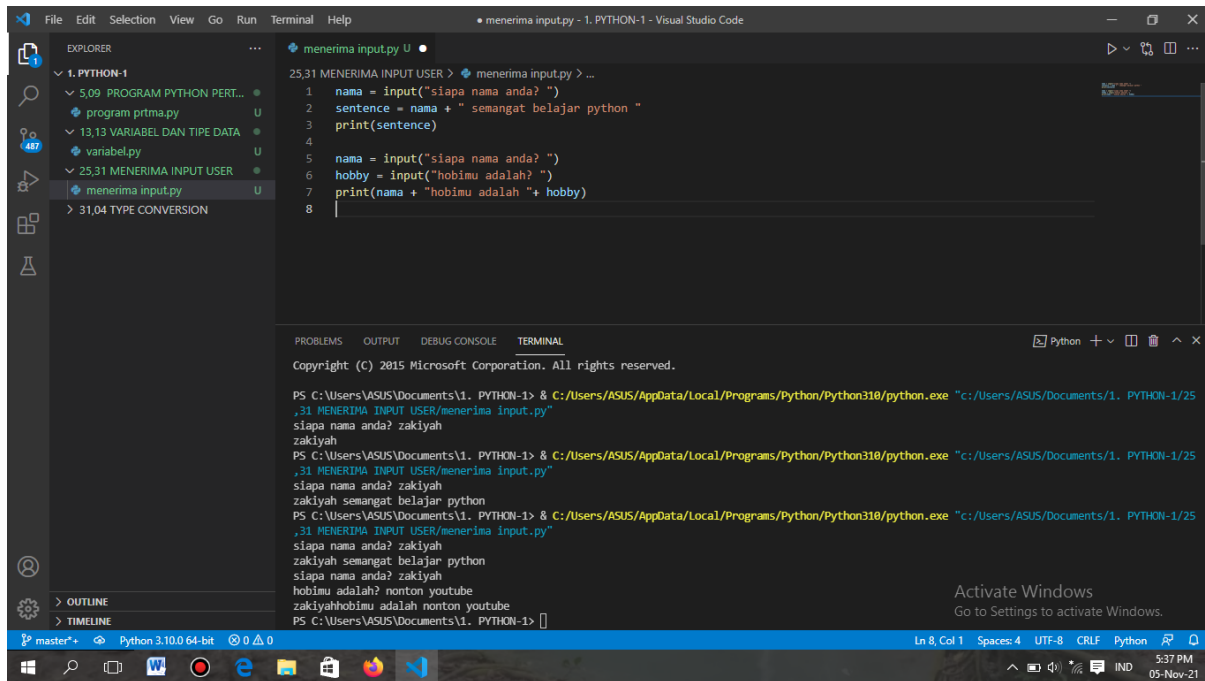
```
13,13 VARIABEL DAN TIPE DATA > vscode.py > ...
1  price = 20000
2  print(price)
3
4  discount = 0.5
5  print(discount)
6
7  price = price * discount
8  print(price)
9
10 nama = "zakiyah"
11 print(nama)
12
13 is_discount = True
14 print(is_discount)
```

The TERMINAL panel at the bottom shows the output of the program:

```
20000
10000
0.5
PS C:\Users\ASUS\Documents\1. PYTHON-1> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Documents/1. PYTHON-1/13,13 VARIABEL DAN TIPE DATA/vscode.py"
20000
10000
0.5
zakiyah
True
PS C:\Users\ASUS\Documents\1. PYTHON-1> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Documents/1. PYTHON-1/13,13 VARIABEL DAN TIPE DATA/vscode.py"
20000
0.5
10000.0
zakiyah
True
PS C:\Users\ASUS\Documents\1. PYTHON-1>
```

The status bar at the bottom indicates the file is at Line 5, Column 16, with 4 spaces, UTF-8 encoding, CRLF line endings, and the Python interpreter is set to Python 3.10.0 64-bit.

3. Menerima input user



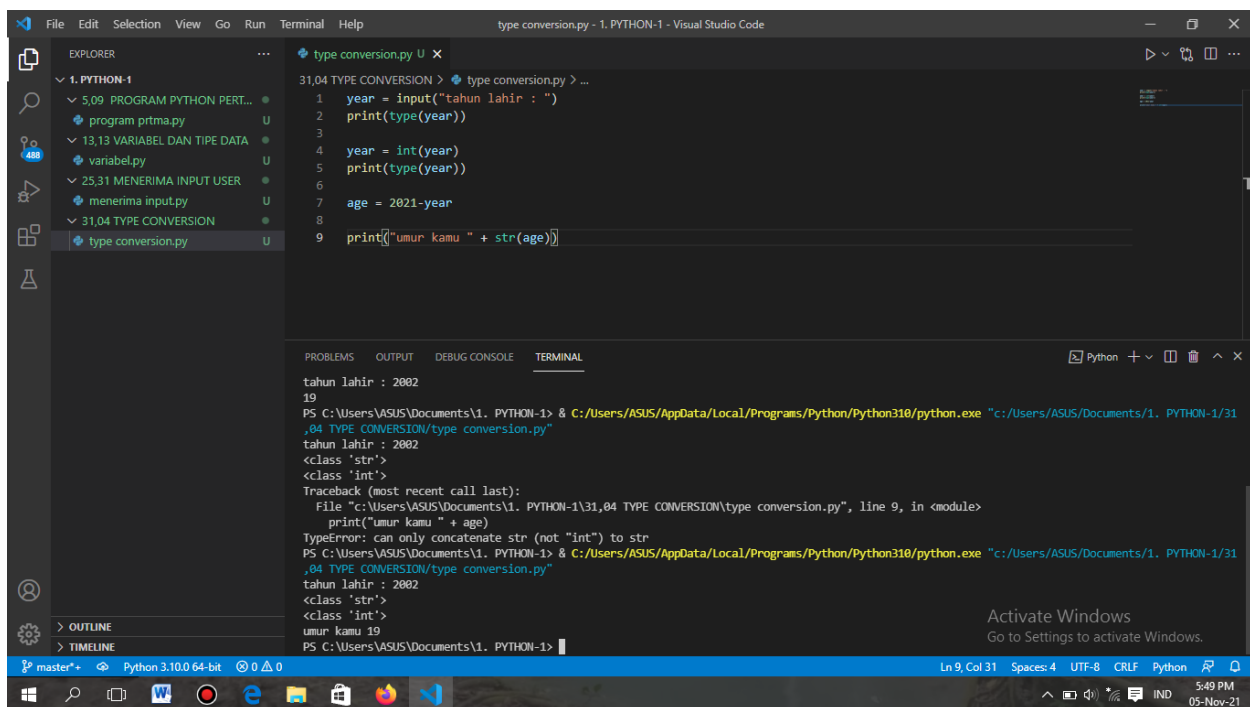
The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a project named '1. PYTHON-1'. The file 'menerima input.py' is selected. The code editor displays the following Python code:

```
1 nama = input("siapa nama anda? ")
2 sentence = nama + " semangat belajar python "
3 print(sentence)
4
5 nama = input("siapa nama anda? ")
6 hobby = input("hobimu adalah? ")
7 print(nama + " hobimu adalah " + hobby)
8
```

The terminal at the bottom shows the execution of the script. It prompts the user for their name and hobby, and then prints the concatenated string. The output is as follows:

```
PS C:\Users\ASUS\Documents\1. PYTHON-1> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Documents/1. PYTHON-1/25
,31 MENERIMA INPUT USER/menerima input.py"
siapa nama anda? zakiyah
zakiyah
PS C:\Users\ASUS\Documents\1. PYTHON-1> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Documents/1. PYTHON-1/25
,31 MENERIMA INPUT USER/menerima input.py"
siapa nama anda? zakiyah
zakiyah semangat belajar python
PS C:\Users\ASUS\Documents\1. PYTHON-1> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Documents/1. PYTHON-1/25
,31 MENERIMA INPUT USER/menerima input.py"
siapa nama anda? zakiyah
zakiyah
zakiyah semangat belajar python
siapa nama anda? zakiyah
hobimu adalah? nonton youtube
zakiyahhobimu adalah nonton youtube
PS C:\Users\ASUS\Documents\1. PYTHON-1>
```

4. Type conversion



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a project named '1. PYTHON-1'. The file 'type conversion.py' is selected. The code editor displays the following Python code:

```
1 year = input("tahun lahir : ")
2 print(type(year))
3
4 year = int(year)
5 print(type(year))
6
7 age = 2021-year
8
9 print("umur kamu " + str(age))
```

The terminal at the bottom shows the execution of the script. It prompts the user for their birth year and then prints the type of the variable. The output is as follows:

```
tahun lahir : 2002
19
PS C:\Users\ASUS\Documents\1. PYTHON-1> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Documents/1. PYTHON-1/31
,04 TYPE CONVERSION/type conversion.py"
tahun lahir : 2002
<class 'str'>
<class 'int'>
Traceback (most recent call last):
  File "c:/Users/ASUS/Documents/1. PYTHON-1/31,04 TYPE CONVERSION/type conversion.py", line 9, in <module>
    print("umur kamu " + age)
TypeError: can only concatenate str (not "int") to str
PS C:\Users\ASUS\Documents\1. PYTHON-1> & C:/Users/ASUS/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/ASUS/Documents/1. PYTHON-1/31
,04 TYPE CONVERSION/type conversion.py"
tahun lahir : 2002
<class 'str'>
<class 'int'>
umur kamu 19
PS C:\Users\ASUS\Documents\1. PYTHON-1>
```