

Nama : Andini Wulandari

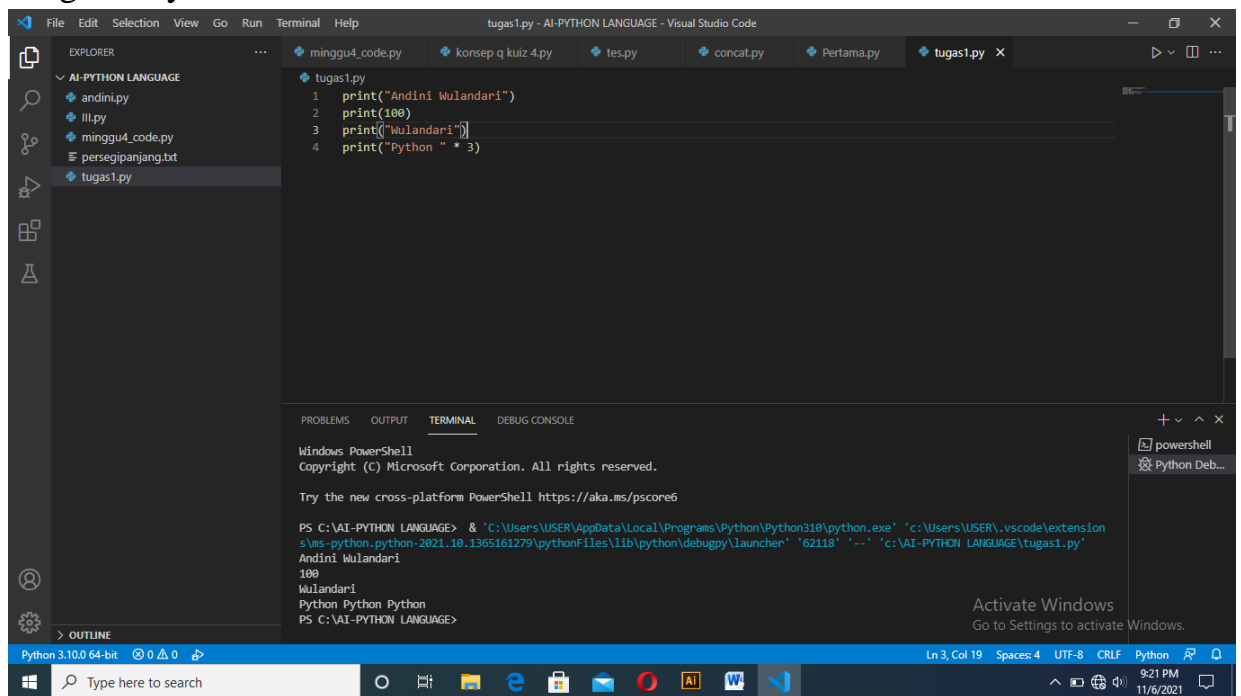
NIM : 20.01.013.020

Kelas : Teknik Informatika B

MK : Kecerdasan Buatan

Tugas :

1. Program Python Pertama



2. Variabel dan Tipe Data

The screenshot shows the Visual Studio Code interface with a Python file named `app.py` open. The code defines several variables and prints their values. The terminal window shows the output of the script.

```
1 price = 100000
2 print(price)
3
4 discount = 0.5
5 print(discount)
6
7 price = price * discount
8 print(price)
9
10 product_name = "Benang"
11 print(product_name)
12
13 is_discount = False
14 print(is_discount)
```

The terminal output is as follows:

```
PS C:\VAI-PYTHON LANGUAGE> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe "c:/VAI-PYTHON LANGUAGE/app.py"
100000
0.5
50000.0
Benang
False
PS C:\VAI-PYTHON LANGUAGE>
```

3. Menerima Input User

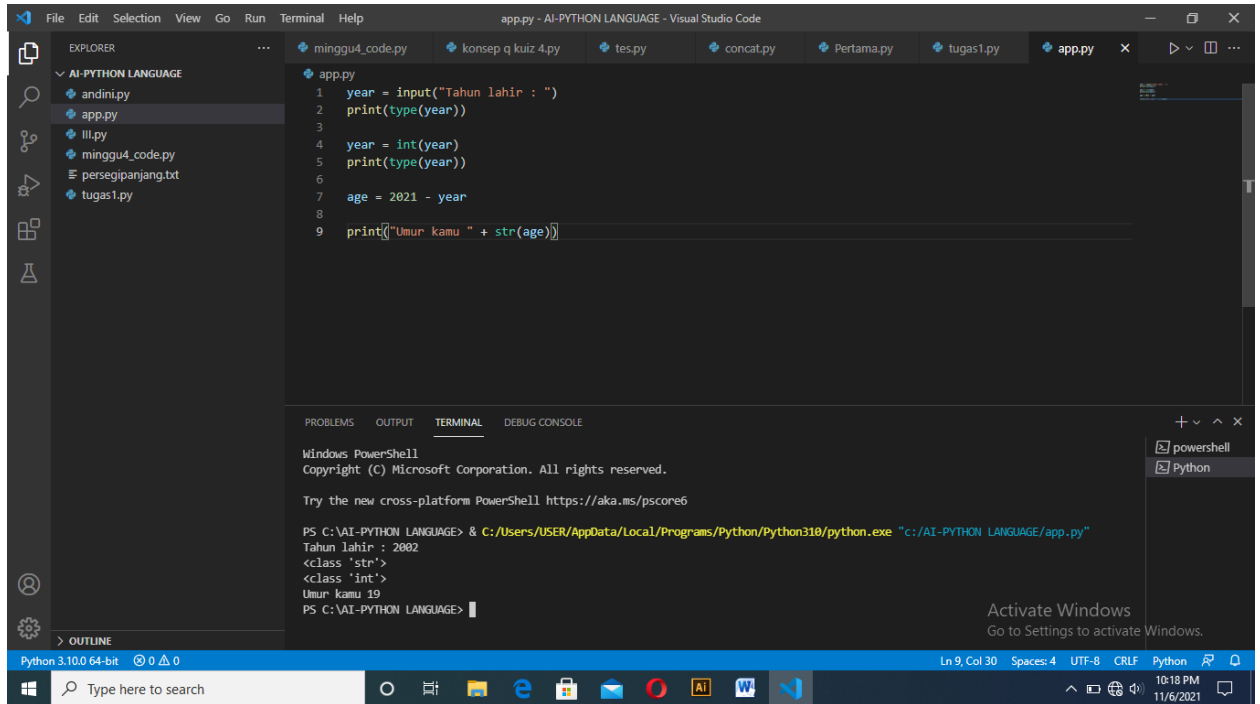
The screenshot shows the Visual Studio Code interface with a Python file named `app.py` open. The code uses the `input()` function to receive user input and prints the result. The terminal window shows the execution of the script with user input.

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

The terminal output is as follows:

```
PS C:\VAI-PYTHON LANGUAGE> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe "c:/VAI-PYTHON LANGUAGE/app.py"
Siapa nama kamu? Andini Wulandari
Apa hobimu? Merajut
Andini Wulandari hobimu adalah Merajut
PS C:\VAI-PYTHON LANGUAGE>
```

4. Type Conversion



The screenshot displays the Visual Studio Code interface with a Python file named `app.py` open. The file contains a script that takes a birth year as input, converts it to an integer, calculates the age, and prints the result along with the type of the variables.

```
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 window at the bottom shows the execution of the script using the command `python.exe "c:/AI-PYTHON LANGUAGE/app.py"`. The output shows the input year as a string, its conversion to an integer, and the calculated age as a string.

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

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\AI-PYTHON LANGUAGE> & C:/Users/USER/AppData/Local/Programs/Python/Python310/python.exe "c:/AI-PYTHON LANGUAGE/app.py"
Tahun lahir : 2002
<class 'str'>
<class 'int'>
Umur kamu 19
PS C:\AI-PYTHON LANGUAGE>
```

The status bar at the bottom indicates the file is using Python 3.10.0 64-bit, with 4 spaces, UTF-8 encoding, and CRLF line endings. The system clock shows 10:18 PM on 11/6/2021.