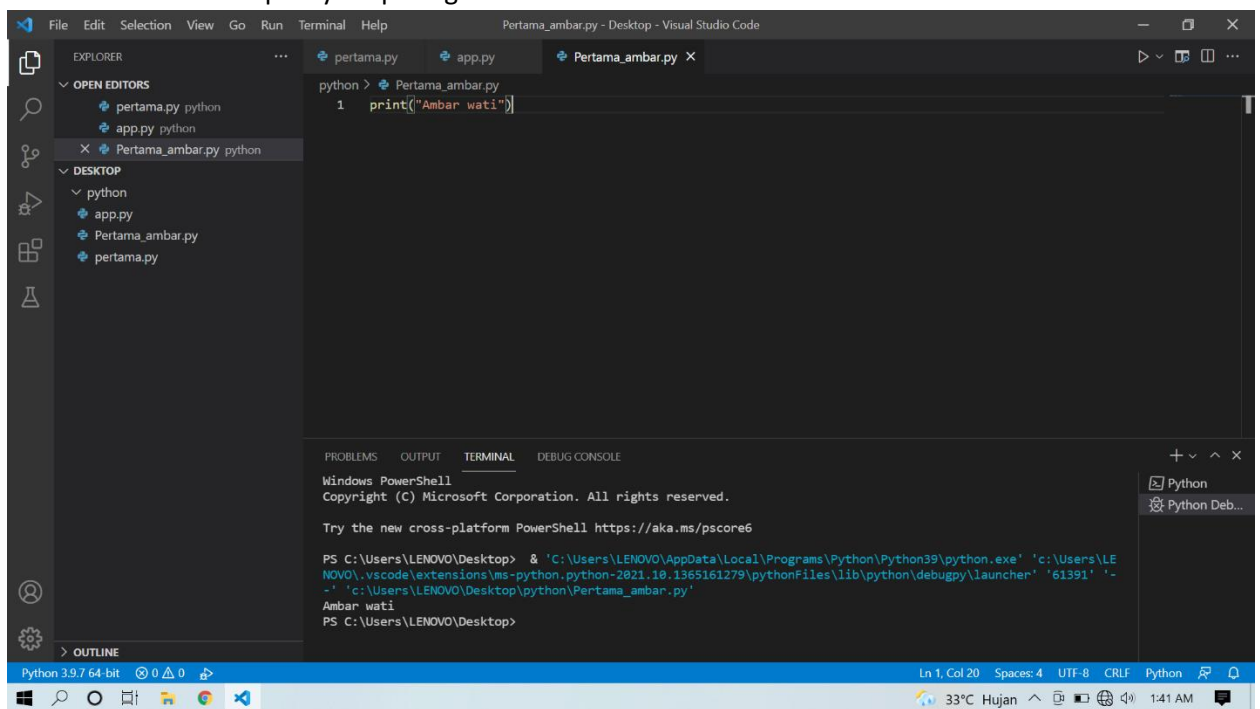


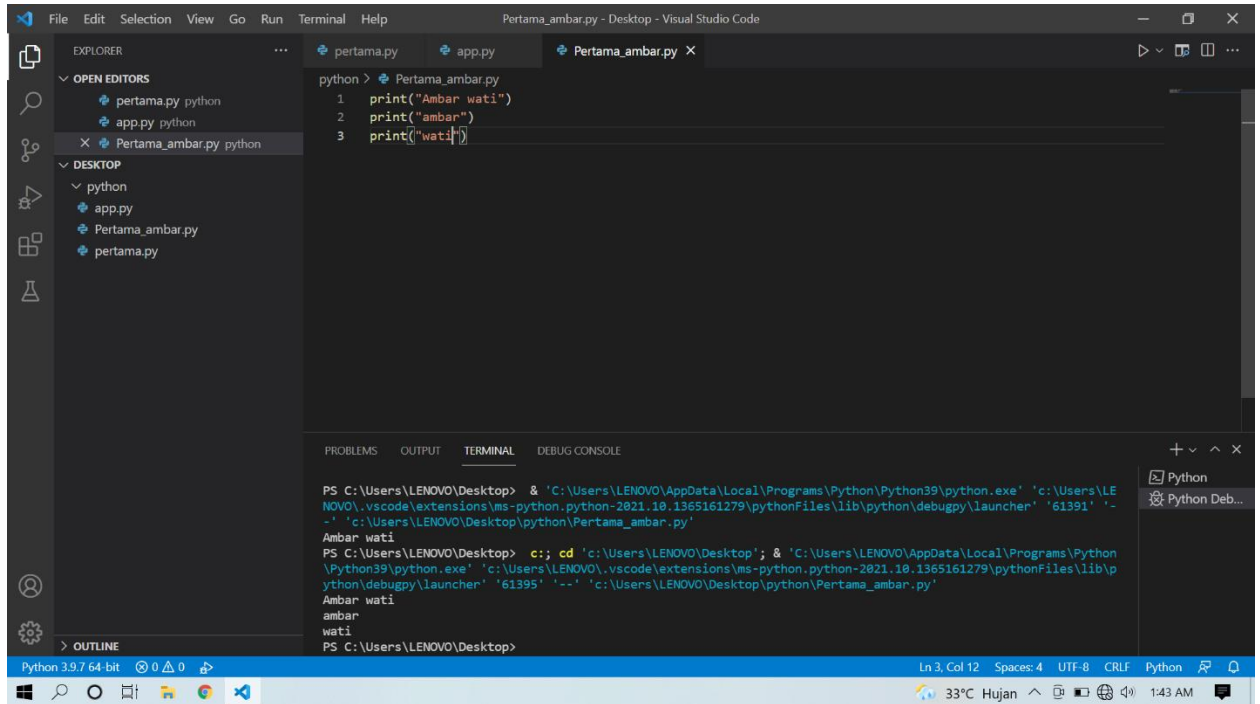
Nama : Ambar Wati  
NIM : 20.01.013.001  
Kelas : Teknik Informatika (A)  
Maka Kuliah : Kecerdasan Buatan (AI)  
Pyhton 1

## 1. Program Pyhton Pertama

Pertama ketik codingan di VS-Code yaitu `print("Ambar Wati")` kemudian "Run"  
Dan akan muncul Outputnya seperti gambar dibawah ini



Pertama ketik codingan di VS-Code yaitu `print("Ambar Wati"), print("ambar"), print("wati") kemudian "Run"  
Dan akan muncul Outputnya seperti gambar dibawah ini`



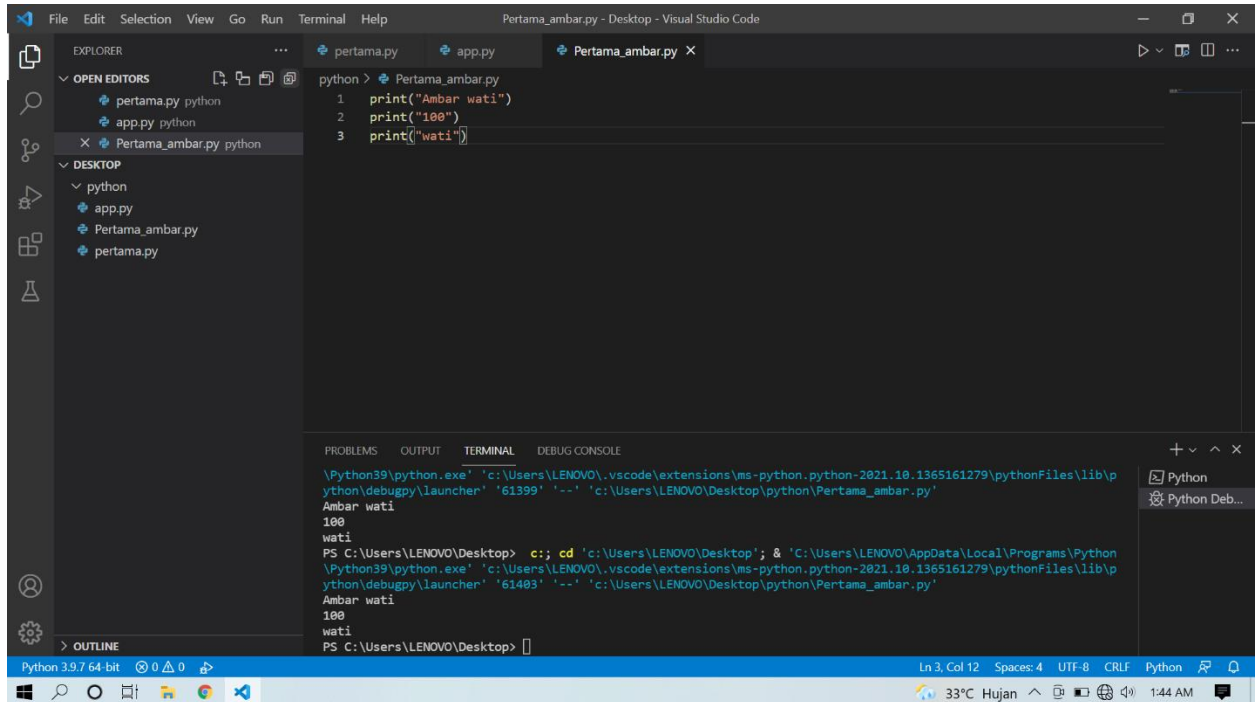
```
File Edit Selection View Go Run Terminal Help
Pertama_ambar.py - Desktop - Visual Studio Code

EXPLORER
OPEN EDITORS
  pertama.py python
  app.py python
  X Pertama_ambar.py python
DESKTOP
  python
  app.py
  Pertama_ambar.py
  pertama.py

python > Pertama_ambar.py
1 print("Ambar wati")
2 print("ambar")
3 print("wati")

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
PS C:\Users\LENOVO\Desktop> & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '61391' '--' 'c:\Users\LENOVO\Desktop\python\Pertama_ambar.py'
Ambar wati
PS C:\Users\LENOVO\Desktop> c:: cd 'c:\Users\LENOVO\Desktop'; & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '61395' '--' 'c:\Users\LENOVO\Desktop\python\Pertama_ambar.py'
Ambar wati
ambar
wati
PS C:\Users\LENOVO\Desktop>
```

Pertama ketik codingan di VS-Code yaitu `print("Ambar Wati"), print("100"), print("wati") kemudian "Run"  
Dan akan muncul Outputnya seperti gambar dibawah ini`



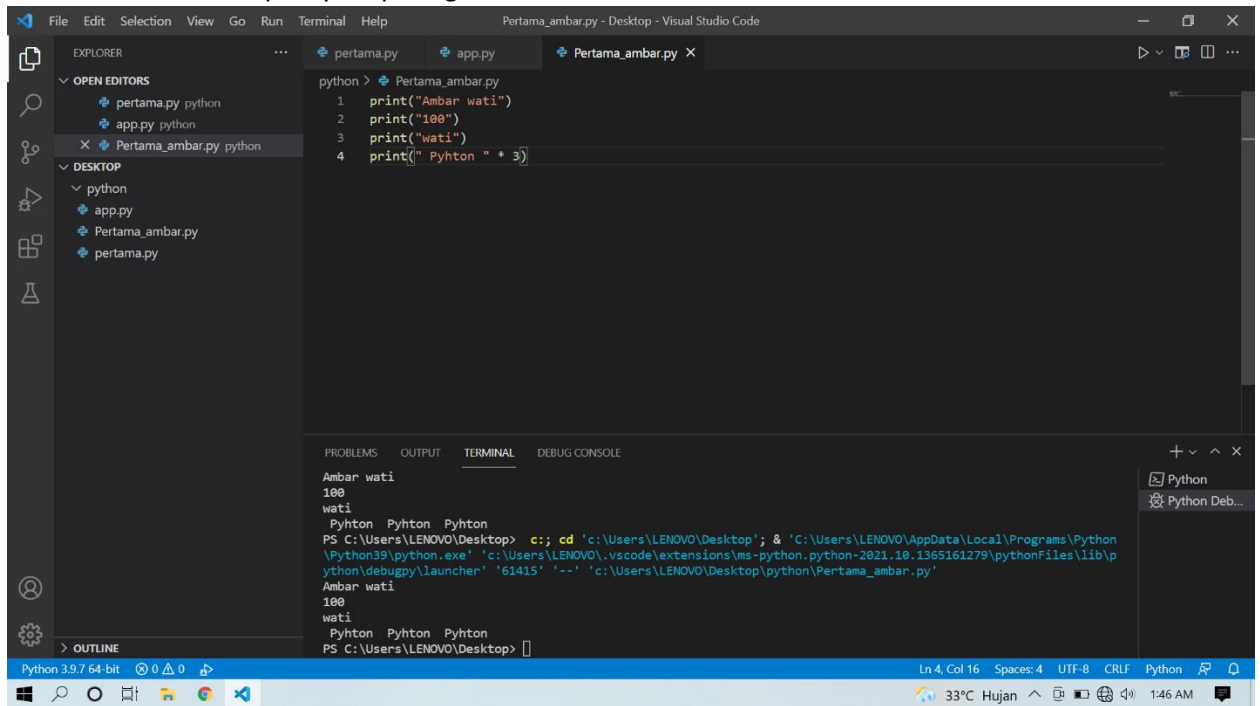
```
File Edit Selection View Go Run Terminal Help
Pertama_ambar.py - Desktop - Visual Studio Code

EXPLORER
OPEN EDITORS
  pertama.py python
  app.py python
  X Pertama_ambar.py python
DESKTOP
  python
  app.py
  Pertama_ambar.py
  pertama.py

python > Pertama_ambar.py
1 print("Ambar wati")
2 print("100")
3 print("wati")

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '61399' '--' 'c:\Users\LENOVO\Desktop\python\Pertama_ambar.py'
Ambar wati
100
wati
PS C:\Users\LENOVO\Desktop> c:: cd 'c:\Users\LENOVO\Desktop'; & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '61403' '--' 'c:\Users\LENOVO\Desktop\python\Pertama_ambar.py'
Ambar wati
100
wati
PS C:\Users\LENOVO\Desktop>
```

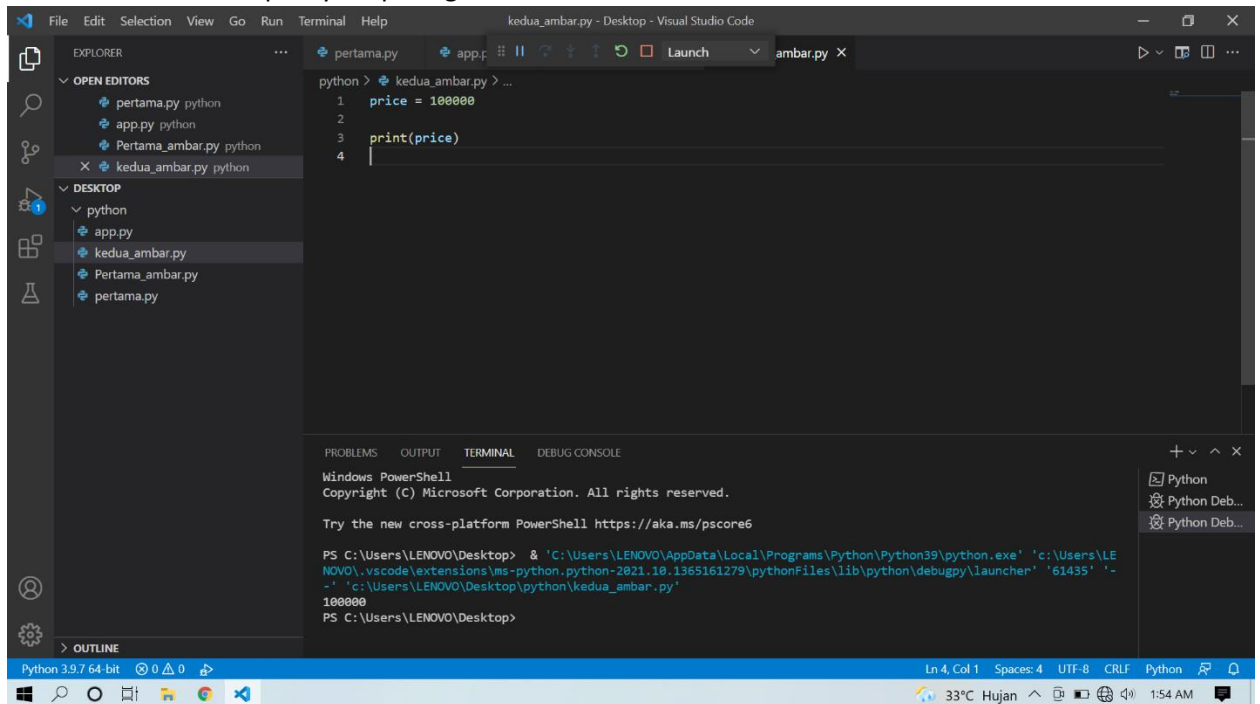
Pertama ketik codingan di VS-Code yaitu `print("Ambar Wati"), print("ambar"), print("wati"), print(" pyhton " + 3 ) kemudian "Run"  
Dan akan muncul Outputnya seperti gambar dibawah ini`



```
python > Pertama_ambar.py
1 print("Ambar wati")
2 print("100")
3 print("wati")
4 print(" Pyhton " + 3)
```

```
Ambar wati
100
wati
Pyhton Pyhton Pyhton
PS C:\Users\LENOVO\Desktop> c:: cd 'c:\Users\LENOVO\Desktop'; & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '61415' '--' 'c:\Users\LENOVO\Desktop\python\Pertama_ambar.py'
Ambar wati
100
wati
Pyhton Pyhton Pyhton
PS C:\Users\LENOVO\Desktop>
```

2. Variabel (sebuah tempat yang digunakan untuk menyimpan suatu nilai) dan Tipe Data  
Pertama ketik codingan di VS-Code yaitu `price = 100000, print(price) kemudian "Run"  
Dan akan muncul Outputnya seperti gambar dibawah ini`



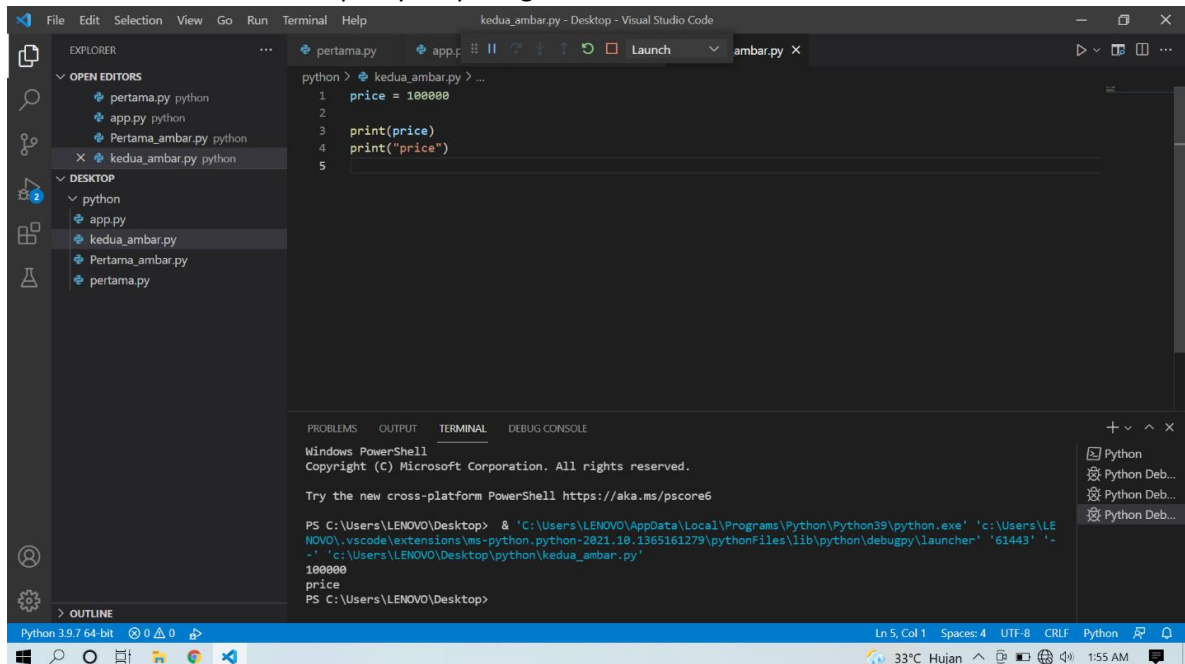
```
python > kedua_ambar.py > ...
1 price = 100000
2
3 print(price)
4
```

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

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

PS C:\Users\LENOVO\Desktop> & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '61435' '--' 'c:\Users\LENOVO\Desktop\python\kedua_ambar.py'
100000
PS C:\Users\LENOVO\Desktop>
```

Pertama ketik codingan di VS-Code yaitu `price = 100000`, `print(price)`, `print(price)`, kemudian “Run” dan akan muncul Outputnya seperti gambar dibawah ini



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

```
python > kedua_ambar.py > ...
1 price = 100000
2
3 print(price)
4 print("price")
5
```

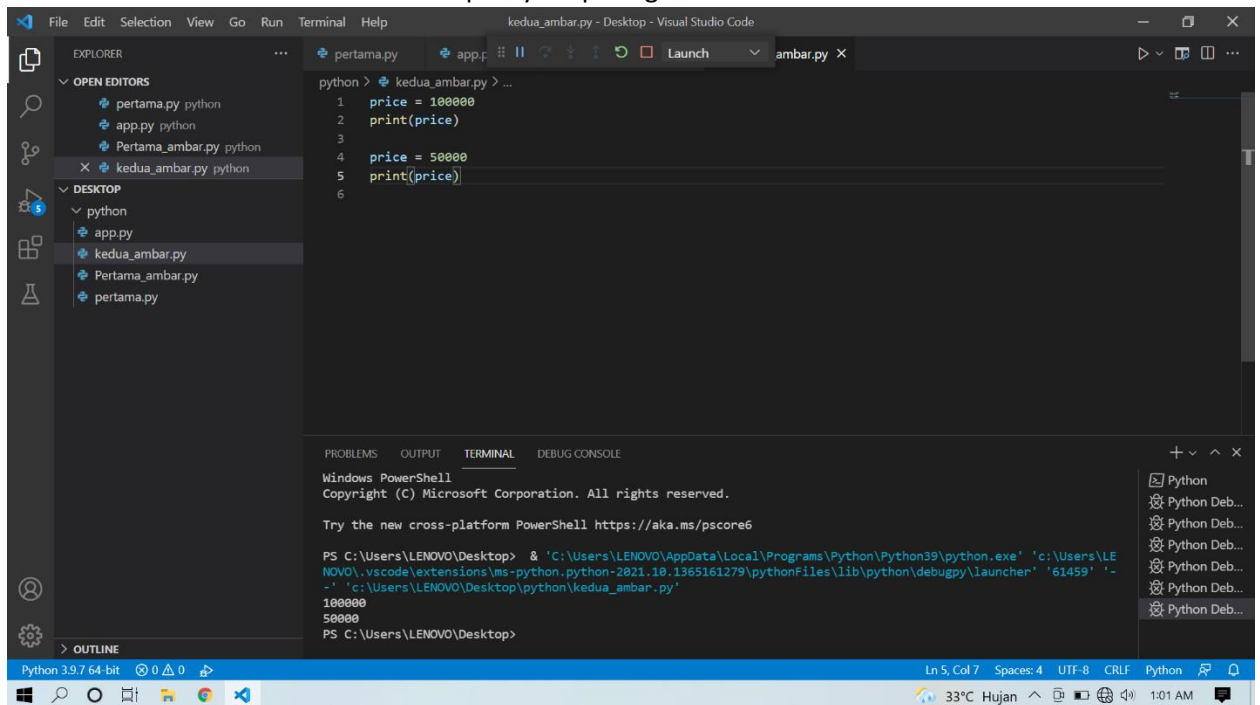
The terminal at the bottom shows the execution of the script, displaying the output:

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

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

PS C:\Users\LENOVO\Desktop> & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '61443' '-
-' 'c:\Users\LENOVO\Desktop\python\kedua_ambar.py'
100000
price
PS C:\Users\LENOVO\Desktop>
```

Pertama ketik codingan di VS-Code yaitu `price = 100000`, `print(price)`, `print = 5000`, `print("price")` kemudian “Run” dan akan muncul Outputnya seperti gambar dibawah ini



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

```
python > kedua_ambar.py > ...
1 price = 100000
2 print(price)
3
4 price = 50000
5 print(price)
6
```

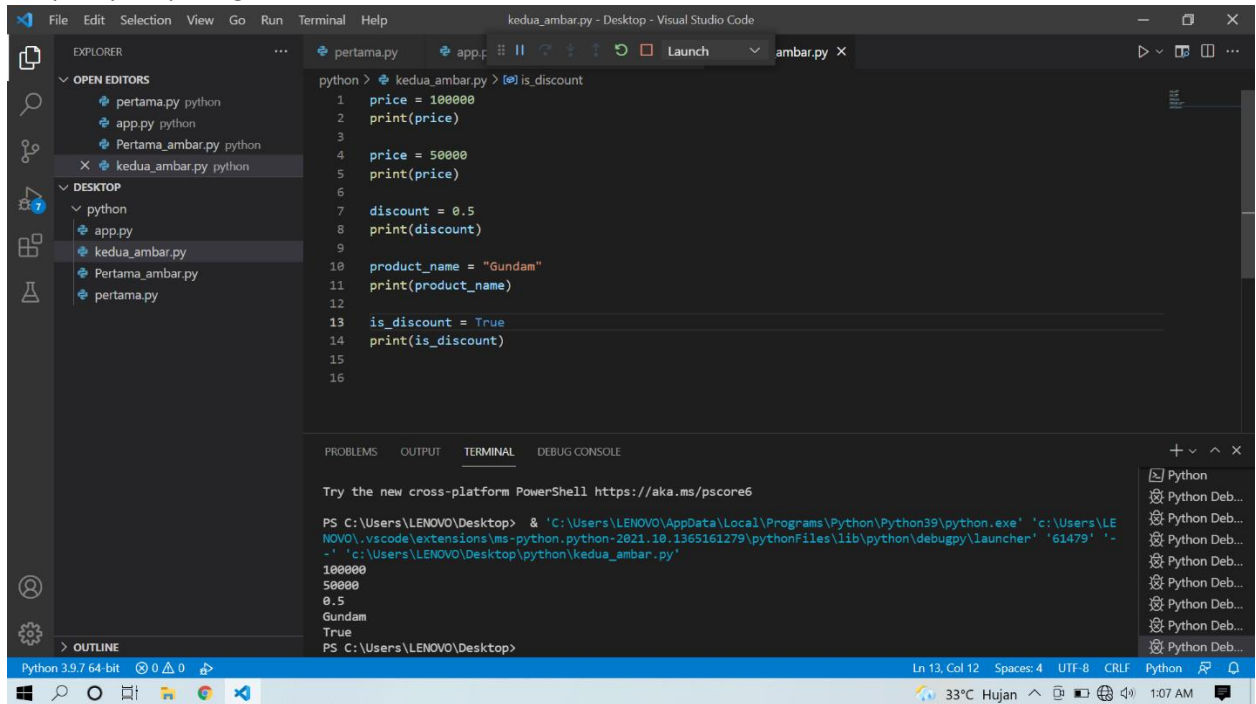
The terminal at the bottom shows the execution of the script, displaying the output:

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

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

PS C:\Users\LENOVO\Desktop> & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '61459' '-
-' 'c:\Users\LENOVO\Desktop\python\kedua_ambar.py'
100000
50000
PS C:\Users\LENOVO\Desktop>
```

Pertama ketik codingan di VS-Code yaitu `price = 100000`, `print(price)`, `price = 5000`, `print("price")`, `discount = 0.5`, `print(discount)`, `product_name = "Gundam"`, `print(product_name)`, `is_discount = True`, `print(is_discount)` kemudian "Run" dan akan muncul Outputnya seperti gambar dibawah ini



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

```
1 price = 100000
2 print(price)
3
4 price = 50000
5 print(price)
6
7 discount = 0.5
8 print(discount)
9
10 product_name = "Gundam"
11 print(product_name)
12
13 is_discount = True
14 print(is_discount)
15
16
```

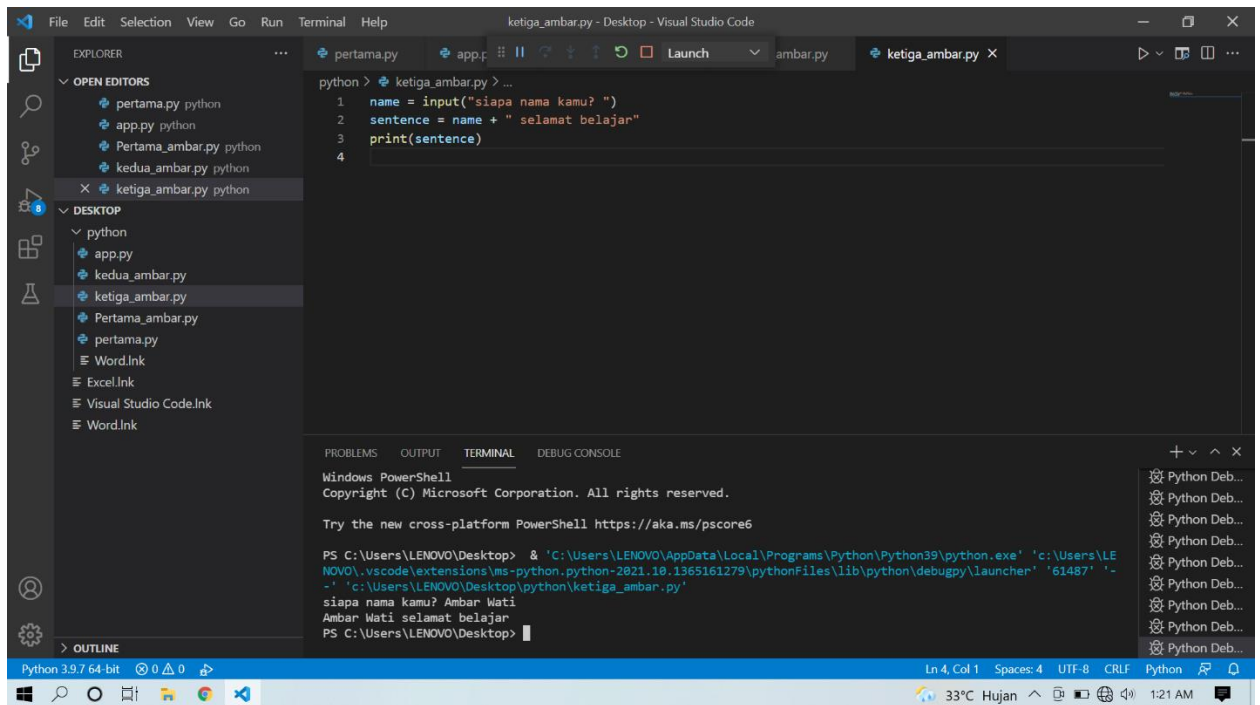
The terminal at the bottom shows the output of the script:

```
PS C:\Users\LENOVO\Desktop> python kedua_ambar.py
100000
50000
0.5
Gundam
True
```

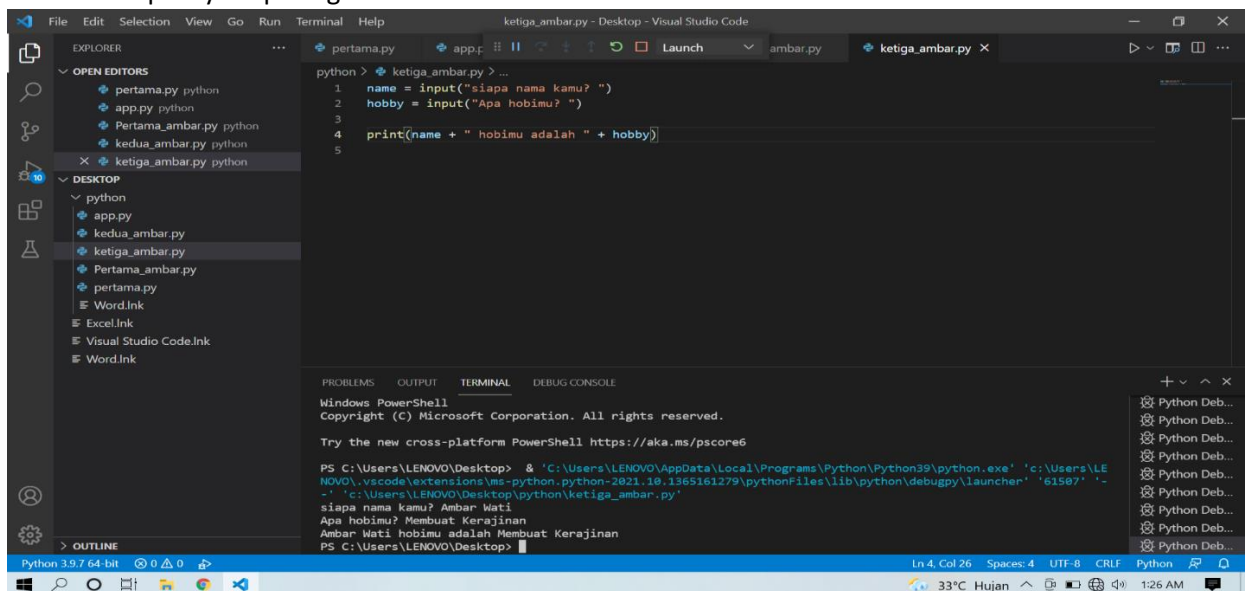
The status bar at the bottom indicates the file is using Python 3.9.7 64-bit, UTF-8 encoding, and CRLF line endings.

### 3. Menerima Input User

Pertama ketik codingan di VS-Code yaitu `name = input(" siapa nama kamu? ")`, `sentence = name + " selamat belajar, print(sentence)` kemudian "Run" dan akan muncul Outputnya seperti gambar dibawah ini



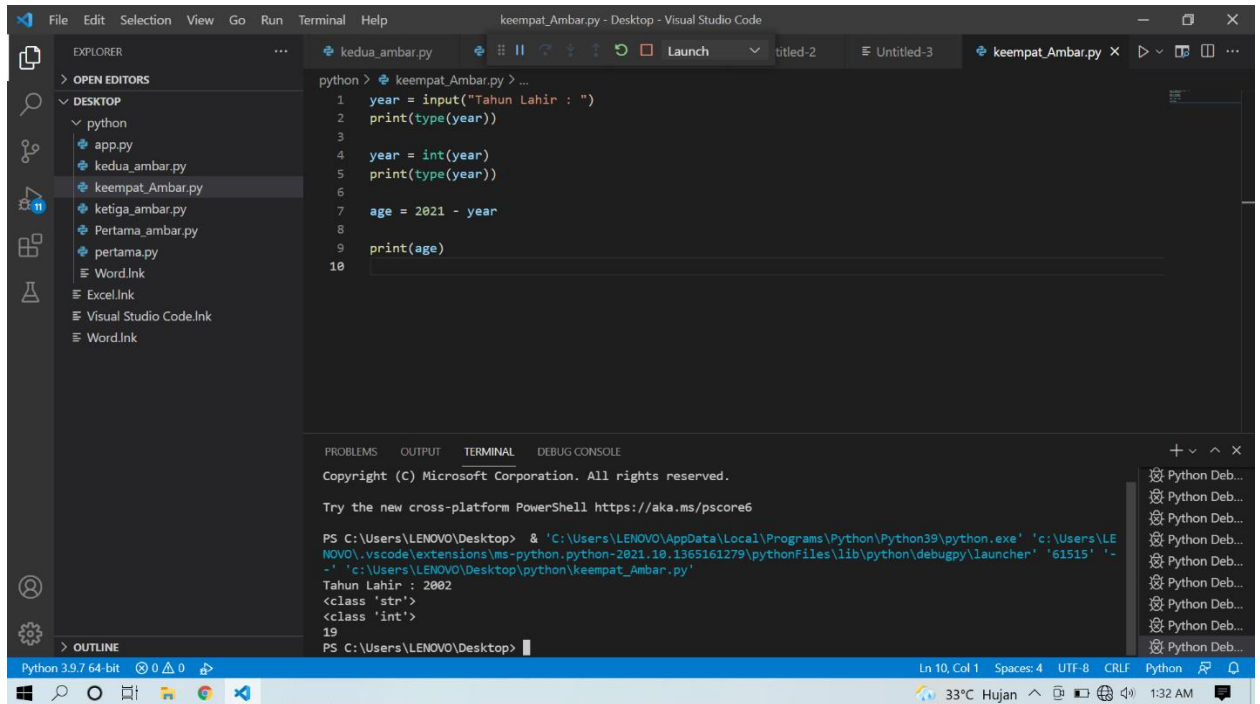
Pertama ketik codingan di VS-Code yaitu `name = input(" siapa nama kamu? ")`, `hobby = input("Apa hobimu? ")`, `print(name + " hobimu adalah " + hobby)`, kemudian "Run" dan akan muncul Outputnya seperti gambar dibawah ini





#### 4. Type Conversion

Pertama ketik codingan di VS-Code seperti codingan dibawah ini kemudian “Run” dan akan muncul Outputnya seperti gambar dibawah ini



```
python > keempat_Ambar.py > ...
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(age)
10
```

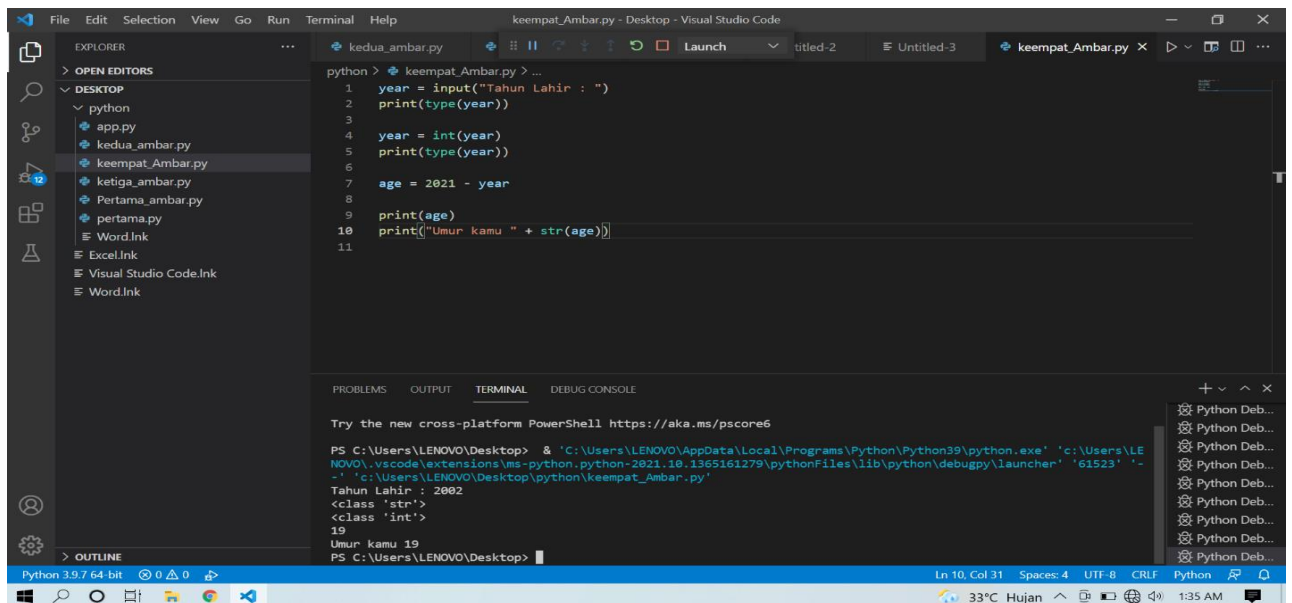
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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS C:\Users\LENOVO\Desktop> & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '61515' '-'

Tahun Lahir : 2002  
<class 'str'>  
<class 'int'>  
19  
Umur kamu 19

Pertama ketik codingan di VS-Code seperti codingan dibawah ini kemudian “Run” dan akan muncul Outputnya seperti gambar dibawah ini



```
python > keempat_Ambar.py > ...
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(age)
10 print("Umur kamu " + str(age))
11
```

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

PS C:\Users\LENOVO\Desktop> & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '61529' '-'

Tahun Lahir : 2002  
<class 'str'>  
<class 'int'>  
19  
Umur kamu 19