

Python Code

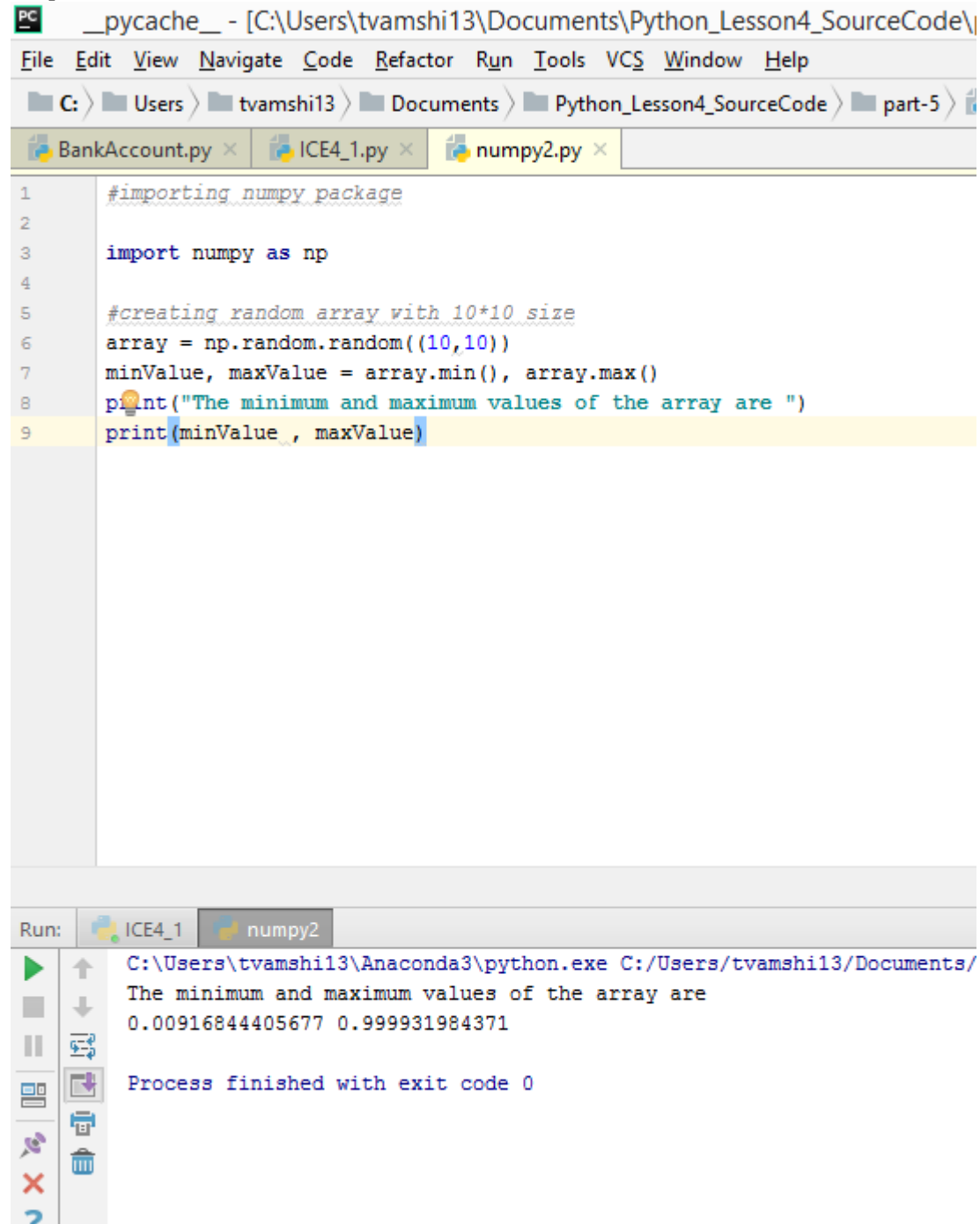
#importing numpy package

```
import numpy as np
```

*#creating random array with 10*10 size*

```
array = np.random.random((10,10))
minValue, maxValue = array.min(), array.max()
print("The minimum and maximum values of the array are ")
print(minValue , maxValue)
```

Output 1:



The screenshot shows an IDE window titled `_pycache_ - [C:\Users\tvamshi13\Documents\Python_Lesson4_SourceCode\]`. The menu bar includes File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, and Help. The breadcrumb path is `C:\Users\tvamshi13\Documents\Python_Lesson4_SourceCode\part-5`. The tab bar shows `BankAccount.py`, `ICE4_1.py`, and `numpy2.py`. The editor displays the following code:

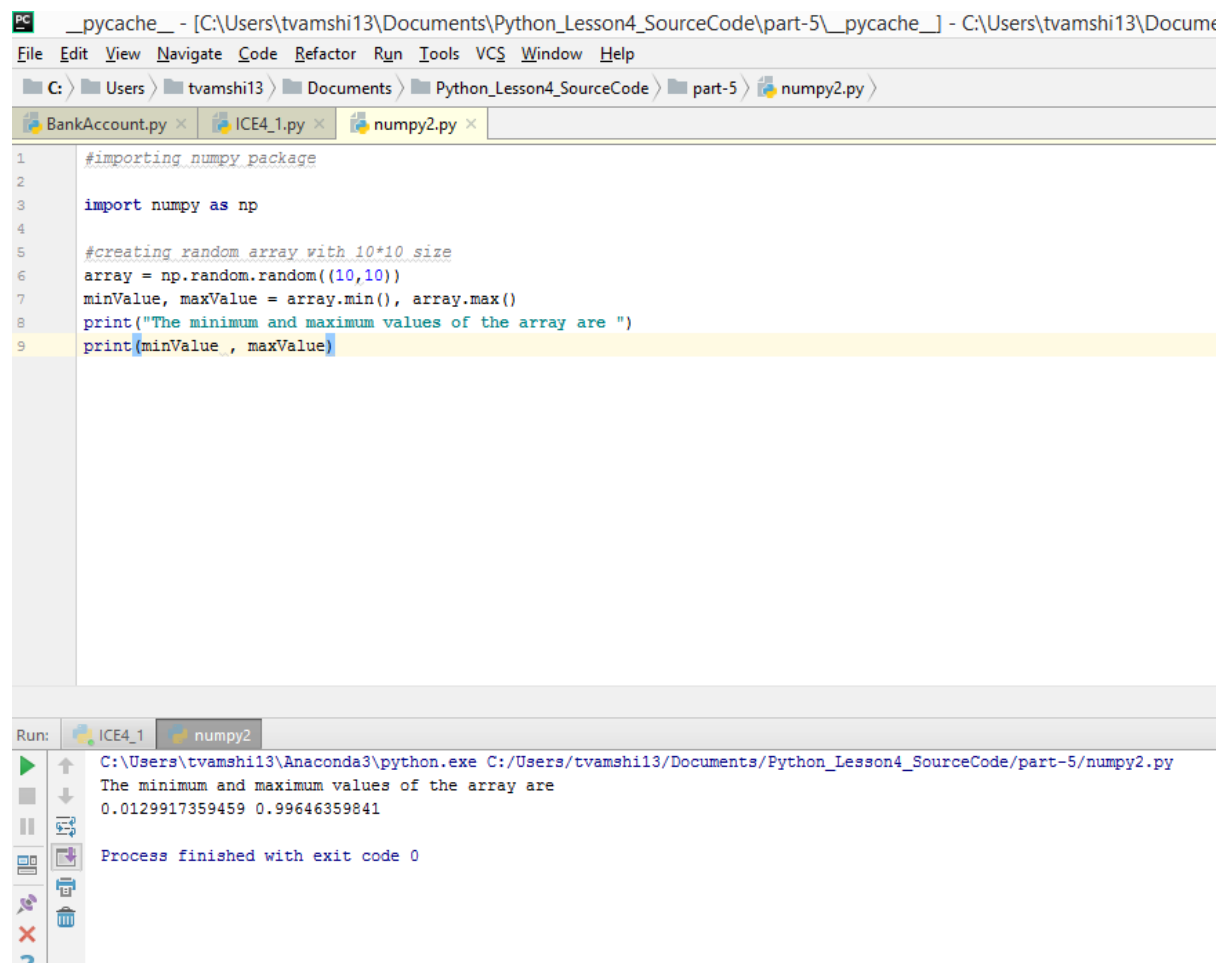
```
1  #importing numpy package
2
3  import numpy as np
4
5  #creating random array with 10*10 size
6  array = np.random.random((10,10))
7  minValue, maxValue = array.min(), array.max()
8  print("The minimum and maximum values of the array are ")
9  print(minValue , maxValue)
```

The `print` statement on line 8 has a small error icon. The `print` statement on line 9 is highlighted in yellow. The Run tab is active, showing the command `C:\Users\tvamshi13\Anaconda3\python.exe C:/Users/tvamshi13/Documents/`. The output is:

```
The minimum and maximum values of the array are
0.00916844405677 0.999931984371
```

Below the output, it says "Process finished with exit code 0". The left sidebar contains icons for Run, Debug, Test, and other IDE functions.

Output 2:



The screenshot shows an IDE window with a Python script named `numpy2.py` and its execution output.

Python Script (`numpy2.py`):

```
1  #importing numpy package
2
3  import numpy as np
4
5  #creating random array with 10*10 size
6  array = np.random.random((10,10))
7  minValue, maxValue = array.min(), array.max()
8  print("The minimum and maximum values of the array are ")
9  print(minValue, maxValue)
```

Execution Output:

```
Run: ICE4_1 numpy2
C:\Users\tvamshi13\Anaconda3\python.exe C:/Users/tvamshi13/Documents/Python_Lesson4_SourceCode/part-5/numpy2.py
The minimum and maximum values of the array are
0.0129917359459 0.99646359841

Process finished with exit code 0
```