

Quiz #3 - Python Foundation

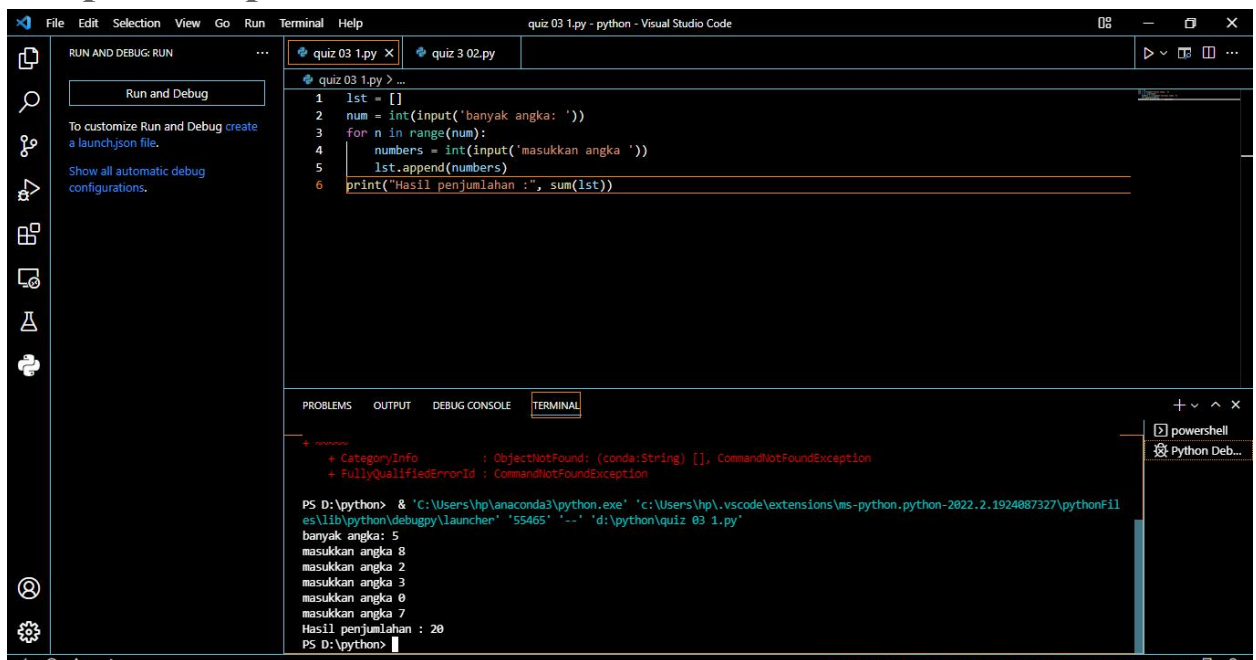
Course - Built-in and User-defined Function

Format Pengumpulan

- Tulis program dengan menggunakan Jupyter Notebook, Vs Code, etc.
- Jelaskan program yang dibuat dalam bentuk (.pdf)
- **Sliahkan kerjan 3 dari 4 soal yang tersedia**

1. Buatlah sebuah fungsi pada Python yang digunakan untuk menampilkan menjumlahkan bilangan yang terdapat pada list.

Output Sample



The screenshot shows the Visual Studio Code interface with a Python file named 'quiz 03 1.py' open. The code in the editor is as follows:

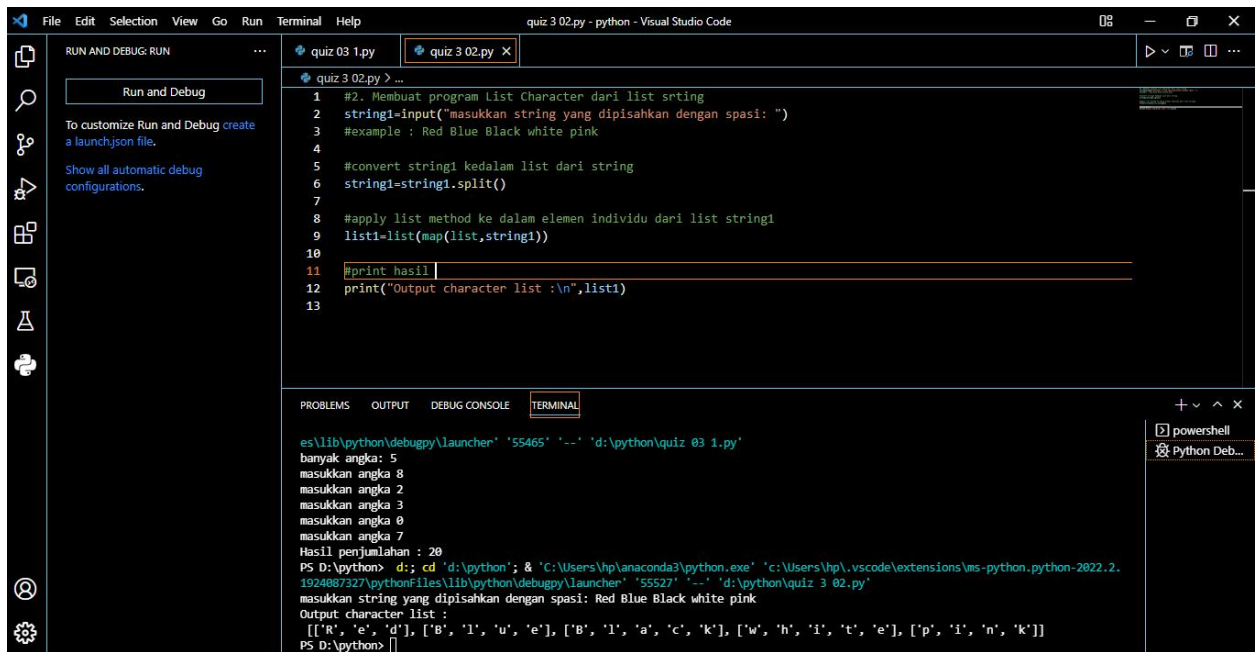
```
1 lst = []
2 num = int(input('banyak angka: '))
3 for n in range(num):
4     numbers = int(input('masukkan angka '))
5     lst.append(numbers)
6 print("Hasil penjumlahan :", sum(lst))
```

The terminal output shows the execution of the program:

```
PS D:\python> & "C:\Users\hp\anaconda3\python.exe" "C:\Users\hp\.vscode\extensions\ms-python.python-2022.2.1924887327\python\files\lib\python\debugpy\launcher" "55465" "--" "d:\python\quiz 03 1.py"
banyak angka: 5
masukkan angka 8
masukkan angka 2
masukkan angka 3
masukkan angka 0
masukkan angka 7
Hasil penjumlahan : 20
PS D:\python>
```

2. Buatlah program Python yang digunakan untuk menampilkan list character dari list string yang diberikan.

Output Sample



The screenshot shows the Visual Studio Code interface with a Python file named `quiz 3 02.py` open. The code in the editor is as follows:

```
1 #2. Membuat program List Character dari list srting
2 string1=input("masukkan string yang dipisahkan dengan spasi: ")
3 #example : Red Blue Black white pink
4
5 #convert string1 kedalam list dari string
6 string1=string1.split()
7
8 #apply list method ke dalam elemen individu dari list string1
9 list1=list(map(list,string1))
10
11 #print hasil
12 print("Output character list :\n",list1)
13
```

The terminal output shows the execution of the script, including user input and the resulting list of character lists:

```
es\lib\python\debugpy\launcher' '55465' '--' 'd:\python\quiz 03 1.py'
banyak angka: 5
masukkan angka 8
masukkan angka 2
masukkan angka 3
masukkan angka 0
masukkan angka 7
Hasil penjumlahan : 20
PS D:\python> d; cd 'd:\python'; & 'C:\Users\hp\anaconda3\python.exe' 'c:\Users\hp\.vscode\extensions\ms-python.python-2022.2.1924087327\pythonFiles\lib\python\debugpy\launcher' '55527' '--' 'd:\python\quiz 3 02.py'
masukkan string yang dipisahkan dengan spasi: Red Blue Black white pink
Output character list :
[['R', 'e', 'd'], ['B', 'l', 'u', 'e'], ['B', 'l', 'a', 'c', 'k'], ['w', 'h', 'i', 't', 'e'], ['p', 'i', 'n', 'k']]
PS D:\python>
```

3. Buatlah program Python yang digunakan untuk menjumlahkan dua buah lists.

Output Sample

The screenshot shows the Visual Studio Code interface with a Python file named `quiz 3-03.py` open. The code in the editor is as follows:

```
11 print ("Original list 1 : " + str(test_list1))
12
13 # using naive method to
14 # add two list
15 res_list = []
16 for i in range(0, len(test_list1)):
17     res_list.append(test_list1[i] + test_list2[i])
18
19 # printing resultant list
20 print ("Resultant list : " + str(res_list))
```

The terminal output shows the execution of the script, including user input and the resulting lists:

```
masukkan angka 0
masukkan angka 7
Hasil penjumlahan : 20
PS D:\python> cd 'd:\python'; & 'C:\Users\hp\anaconda3\python.exe' 'c:\Users\hp\.vscode\extensions\ms-python.python-2022.2.1924087327\pythonFiles\lib\python\debugpy\launcher' '55527' '--' 'd:\python\quiz 3 02.py'
masukkan string yang dipisahkan dengan spasi: Red Blue Black white pink
Output character list :
[['R', 'e', 'd'], ['B', 'l', 'u', 'e'], ['B', 'l', 'a', 'c', 'k'], ['w', 'h', 'i', 't', 'e'], ['p', 'i', 'n', 'k']]
PS D:\python> cd 'd:\python'; & 'C:\Users\hp\anaconda3\python.exe' 'c:\Users\hp\.vscode\extensions\ms-python.python-2022.2.1924087327\pythonFiles\lib\python\debugpy\launcher' '55588' '--' 'd:\python\quiz 3-03.py'
Original list 1 : [6, 5, 3, 9]
Original list 2 : [0, 1, 7, 7]
Resultant list : [6, 6, 10, 16]
PS D:\python>
```

4. Buatlah program Python yang digunakan untuk memisahkan bilangan ganjil dan bilangan genap pada lists
- Output Sample**

File Edit Selection View Go Run Terminal Help quiz 04.py - python - Visual Studio Code

quiz 03 1.py quiz 3 02.py quiz 04.py

Run and Debug

To customize Run and Debug create a launch.json file.

Show all automatic debug configurations.

```
1 #4 Fungsi untuk split Bilangan genap dan bilangan ganjil
2 def splitevenodd(A):
3     evenlist = []
4     oddlist = []
5     for i in A:
6         if (i % 2 == 0):
7             evenlist.append(i)
8         else:
9             oddlist.append(i)
10    print("Bilangan genap:", evenlist)
11    print("Bilangan ganjil:", oddlist)
12
13 # Driver Code
14 A=[1,2,3,4,5,6,7,8,9]
15 splitevenodd(A)
16
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1924087327\pythonFiles\lib\python\debugpy\launcher '55527' '--' 'd:\python\quiz 3 02.py'
masukkan string yang dipisahkan dengan spasi: Red Blue Black white pink
Output character list :
[['R', 'e', 'd'], ['B', 'l', 'u', 'e'], ['B', 'l', 'a', 'c', 'k'], ['w', 'h', 'i', 't', 'e'], ['p', 'i', 'n', 'k']]
PS D:\python> d; cd 'd:\python'; & 'C:\Users\hp\anaconda3\python.exe' 'c:\Users\hp\.vscode\extensions\ms-python.python-2022.2.1924087327\pythonFiles\lib\python\debugpy\launcher' '55588' '--' 'd:\python\quiz 3-03.py'
Original list 1 : [6, 5, 3, 9]
Original list 2 : [0, 1, 7, 7]
Resultant list : [6, 6, 10, 16]
PS D:\python> d; cd 'd:\python'; & 'C:\Users\hp\anaconda3\python.exe' 'c:\Users\hp\.vscode\extensions\ms-python.python-2022.2.1924087327\pythonFiles\lib\python\debugpy\launcher' '55623' '--' 'd:\python\quiz 04.py'
Bilangan genap: [2, 4, 6, 8]
Bilangan ganjil: [1, 3, 5, 7, 9]
PS D:\python>

powershell Python Deb...