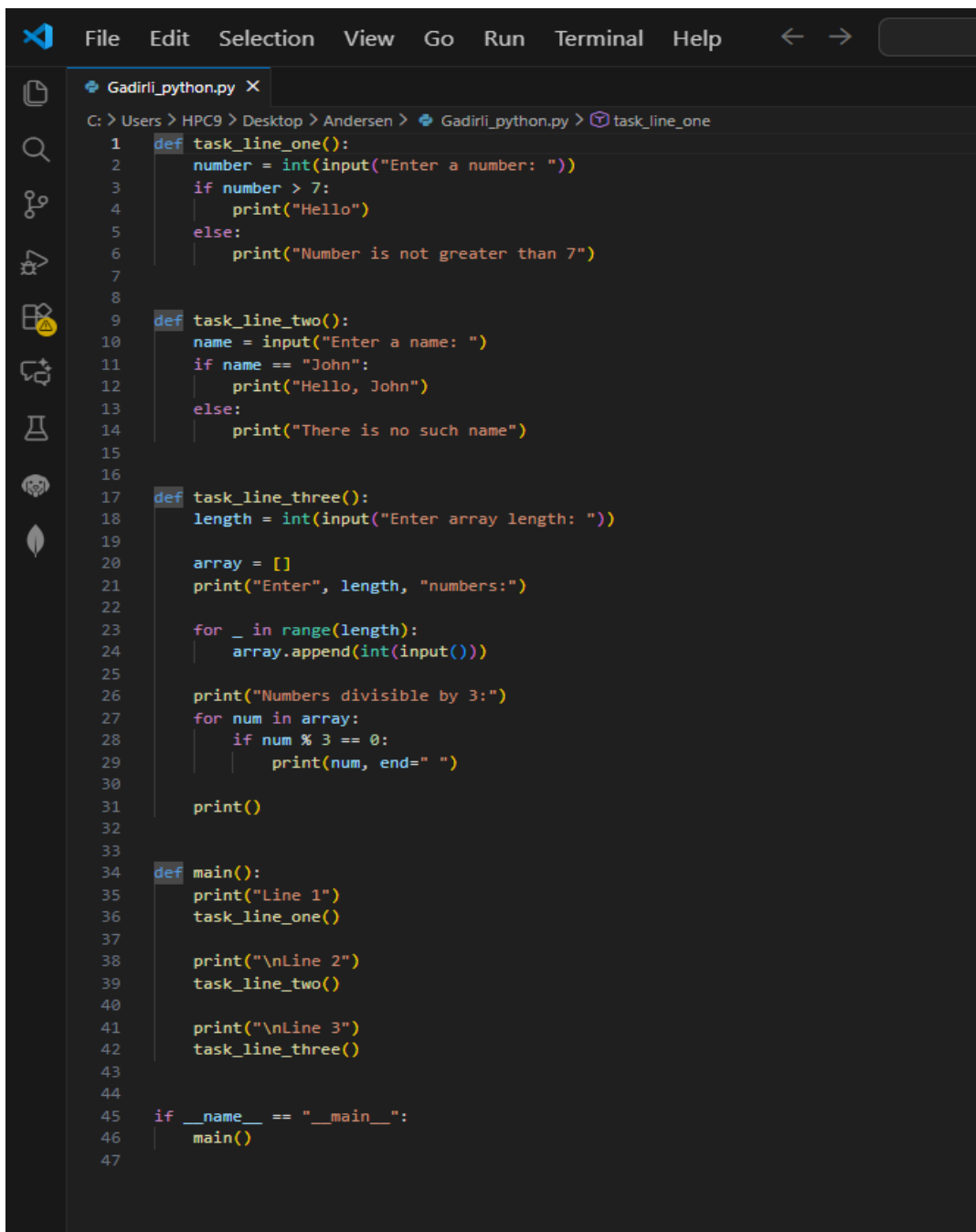


Technical task for the traineeship candidates

QA Automation

1. Make up an algorithm

- If the entered number is greater than 7, then print "Hello"
- If the entered name matches "John", then output "Hello, John", if not, then output "There is no such name"
- There is a numeric array at the input, it is necessary to output array elements that are multiples of 3



```
File Edit Selection View Go Run Terminal Help
Gadiri.py X
C: > Users > HPC9 > Desktop > Andersen > Gadiri.py > task_line_one
1 def task_line_one():
2     number = int(input("Enter a number: "))
3     if number > 7:
4         print("Hello")
5     else:
6         print("Number is not greater than 7")
7
8
9 def task_line_two():
10    name = input("Enter a name: ")
11    if name == "John":
12        print("Hello, John")
13    else:
14        print("There is no such name")
15
16
17 def task_line_three():
18    length = int(input("Enter array length: "))
19
20    array = []
21    print("Enter", length, "numbers:")
22
23    for _ in range(length):
24        array.append(int(input()))
25
26    print("Numbers divisible by 3:")
27    for num in array:
28        if num % 3 == 0:
29            print(num, end=" ")
30
31    print()
32
33
34 def main():
35    print("Line 1")
36    task_line_one()
37
38    print("\nLine 2")
39    task_line_two()
40
41    print("\nLine 3")
42    task_line_three()
43
44
45 if __name__ == "__main__":
46    main()
47
```

Unfortunately, Visual Studio Code encountered technical issues on my device, so I was unable to run the program locally. However, I completed the task using an online compiler.

```
Output
Line 1
Enter a number: 6
Number is not greater than 7

Line 2
Enter a name: Gadirli
There is no such name

Line 3
Enter array length: 5
Enter 5 numbers:
5
7
9
12
13
Numbers divisible by 3:
9 12
```

```
Output
Line 1
Enter a number: 8
Hello

Line 2
Enter a name: John
Hello, John

Line 3
Enter array length: 3
Enter 3 numbers:
6
8
9
Numbers divisible by 3:
6 9
```

2. Answer the questions

Given bracket sequence: $[(((())()())]$

- Can this sequence be considered correct?
- If the answer to the previous question is “no”, then what needs to be changed in it to make it correct?

No, it is not a correct bracket sequence. Because there are two closing `]` but only one opening `[`.

$[(((())()()))]$ → Correct version