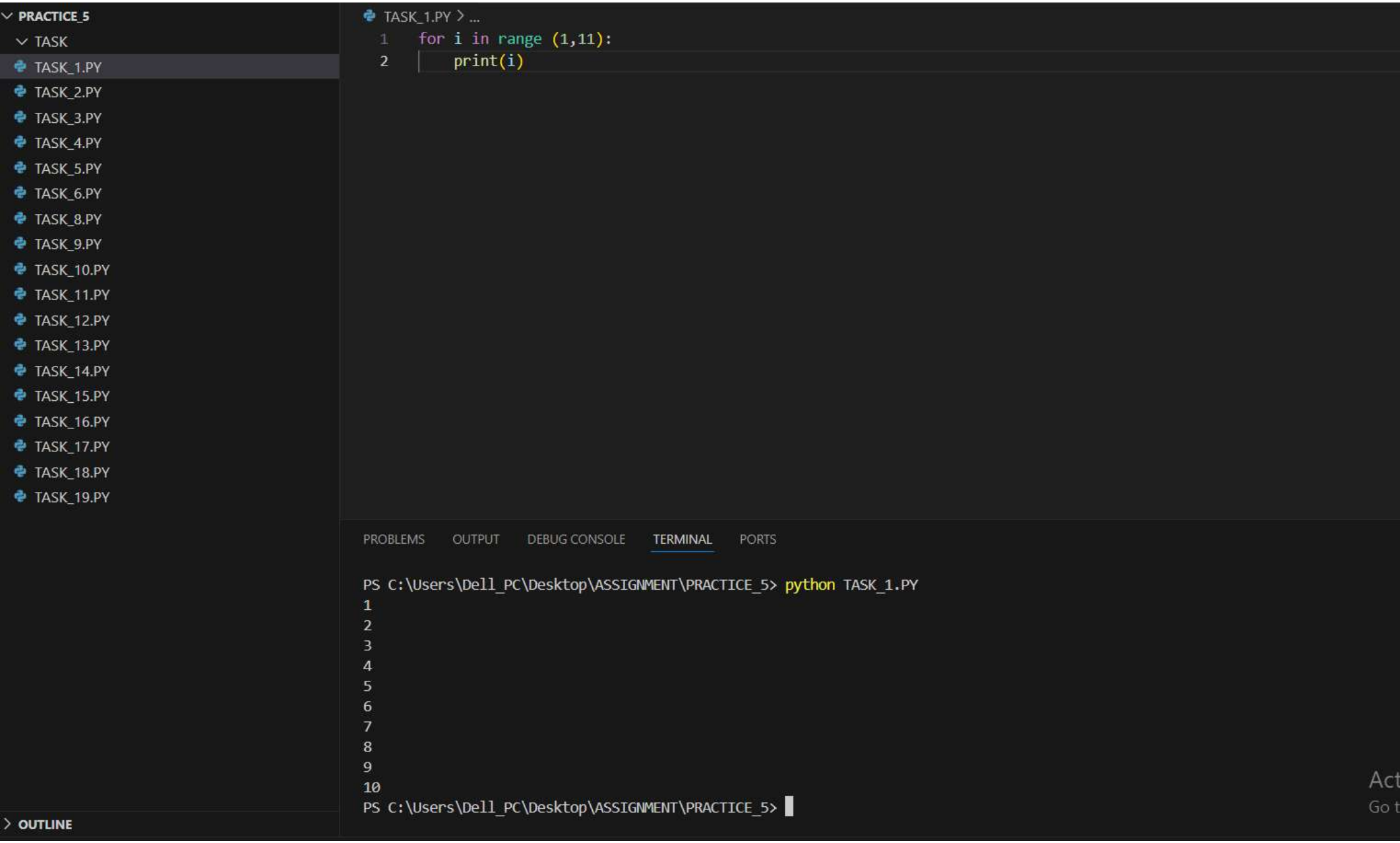
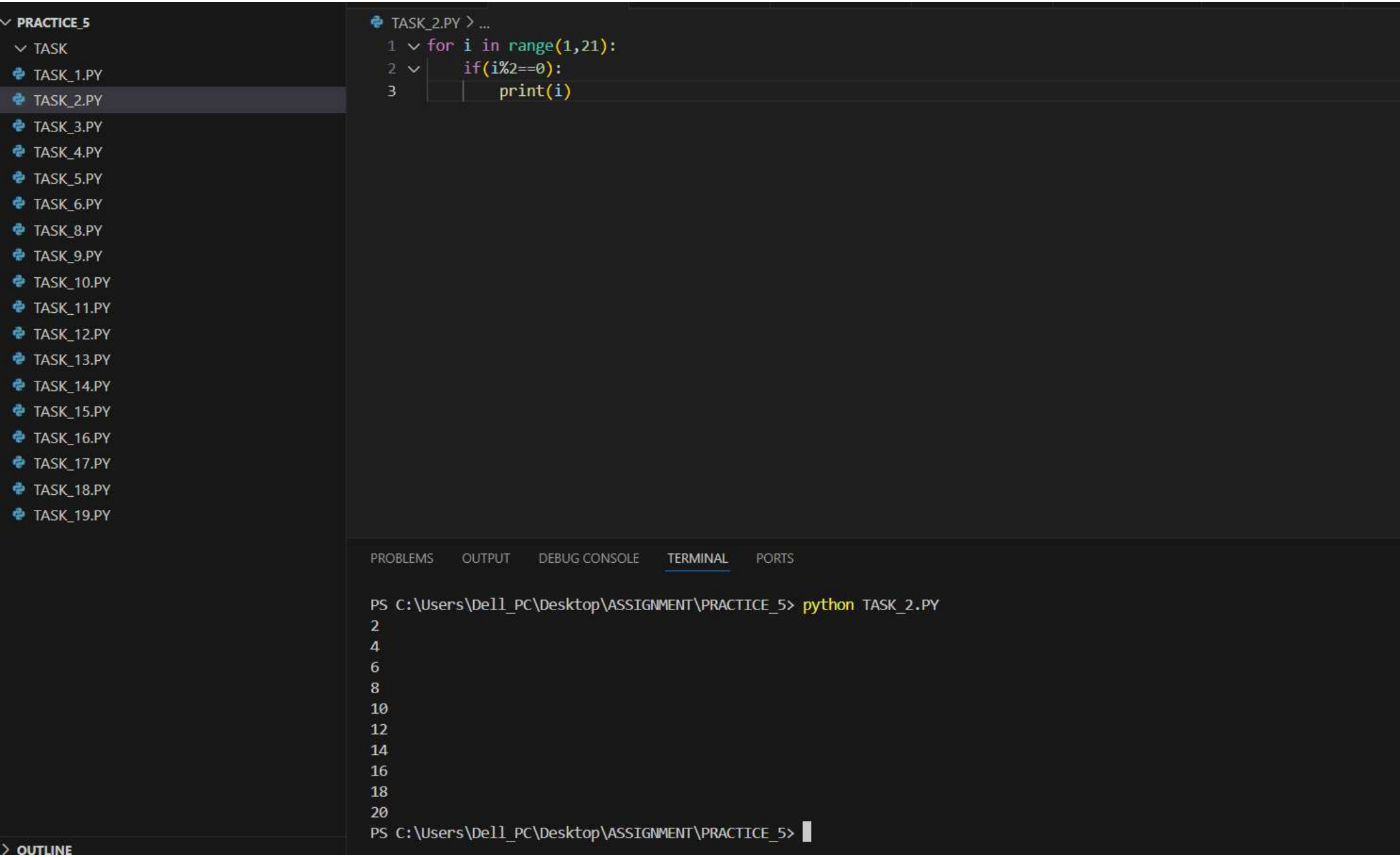
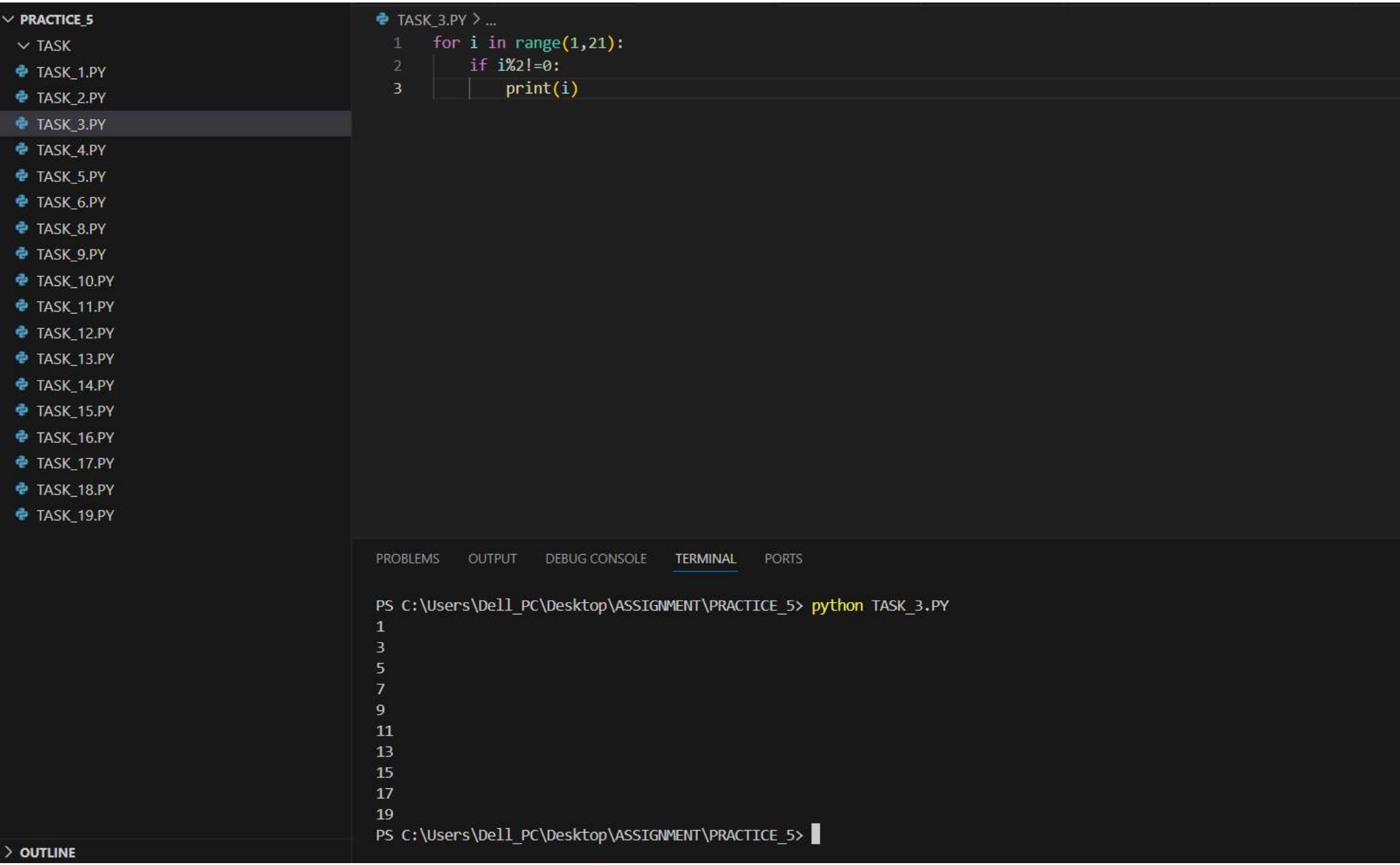
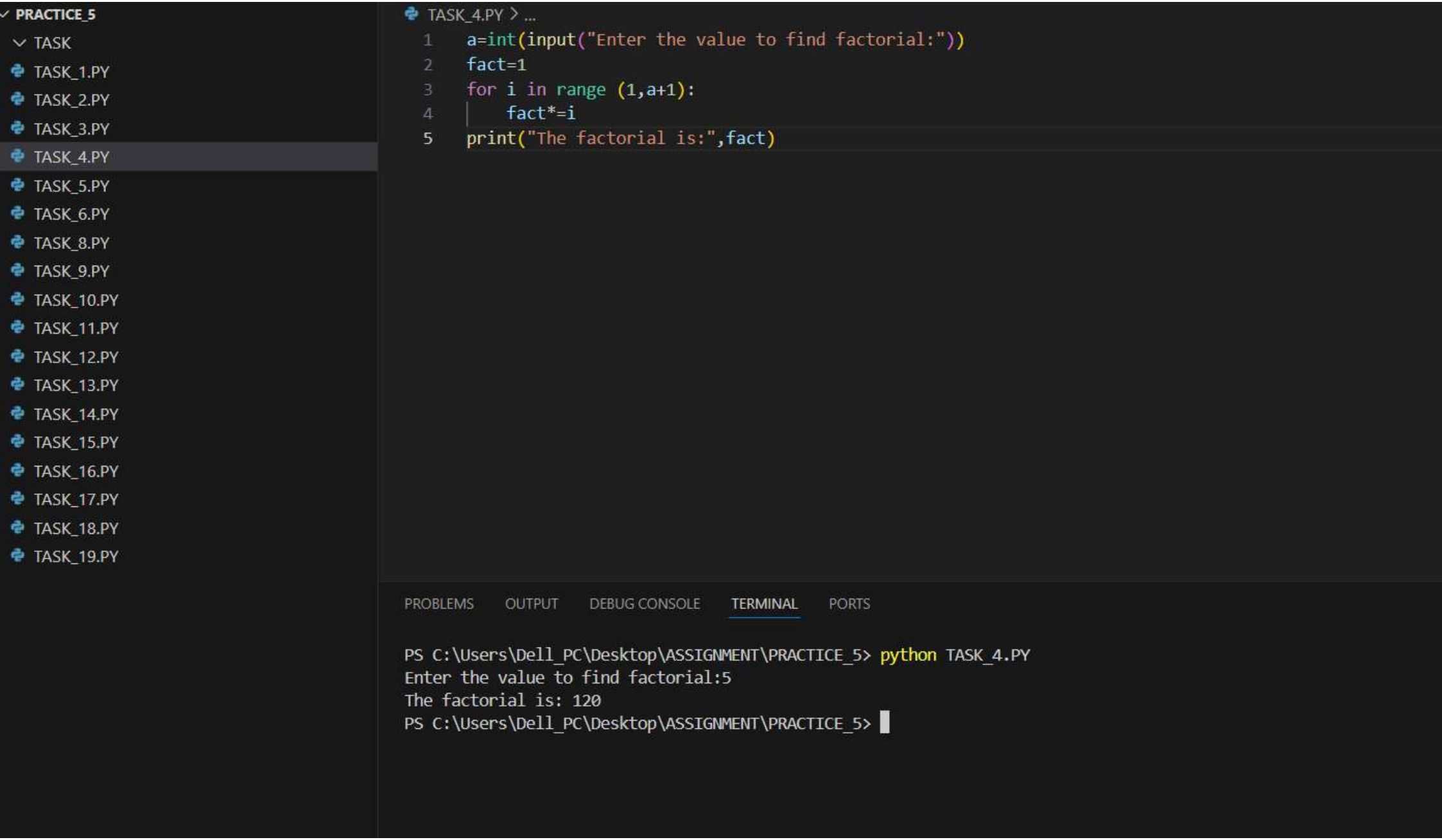
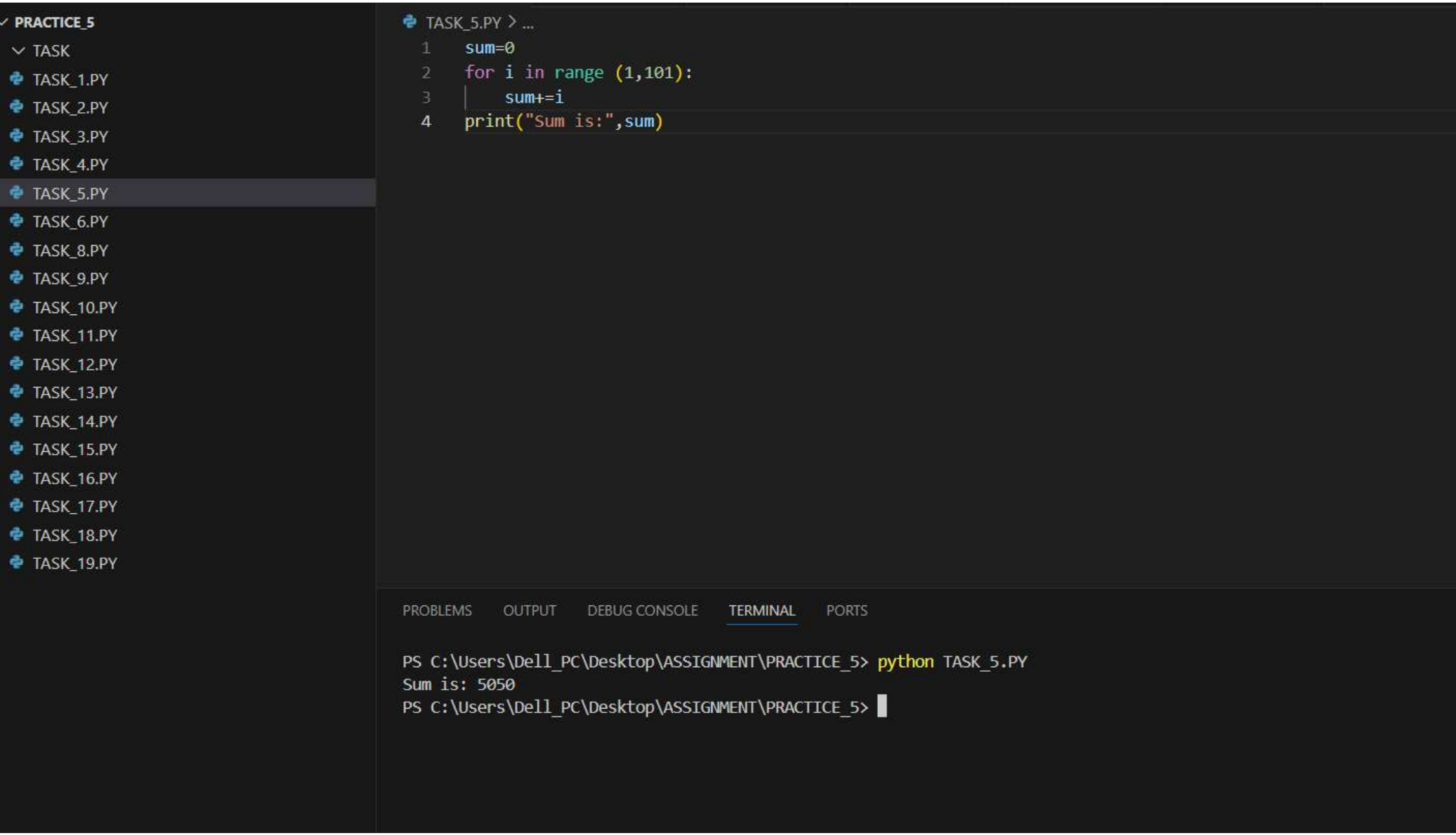
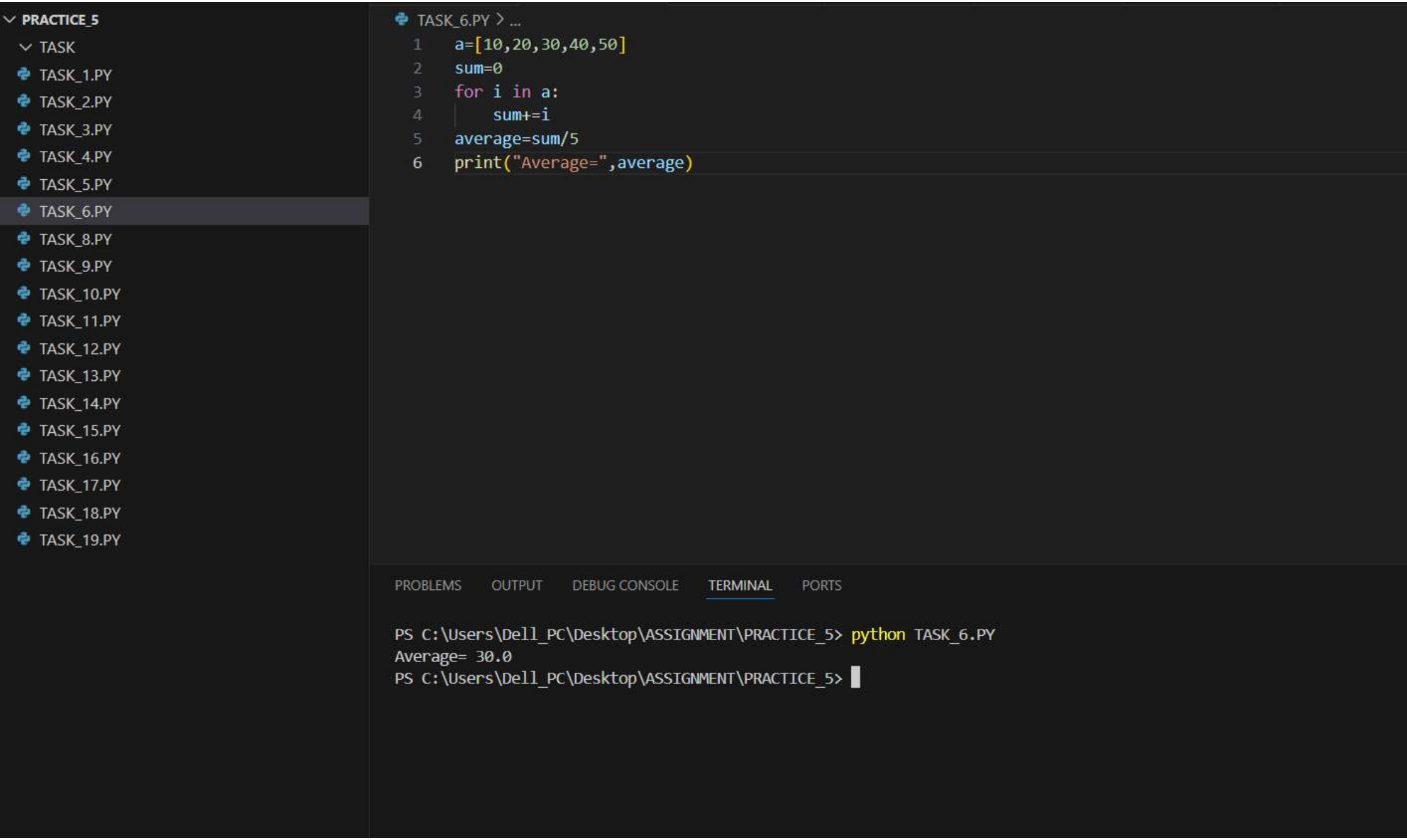

PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
OUTLINE
TASK_1.PY > ...
1 for i in range (1,11):
2 print(i)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_1.PY
1
2
3
4
5
6
7
8
9
10
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>


PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
OUTLINE
TASK_2.PY > ...
1 for i in range(1,21):
2 if(i%2==0):
3 print(i)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_2.PY
2
4
6
8
10
12
14
16
18
20
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>


PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
OUTLINE
TASK_3.PY > ...
1 for i in range(1,21):
2 if i%2!=0:
3 print(i)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_3.PY
1
3
5
7
9
11
13
15
17
19
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>


PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
TASK_4.PY > ...
1 a=int(input("Enter the value to find factorial:"))
2 fact=1
3 for i in range (1,a+1):
4 fact*=i
5 print("The factorial is:",fact)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_4.PY
Enter the value to find factorial:5
The factorial is: 120
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>


PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
TASK_5.PY > ...
1 sum=0
2 for i in range (1,101):
3 sum+=i
4 print("Sum is:",sum)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_5.PY
Sum is: 5050
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>


PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
TASK_6.PY > ...
1 a=[10,20,30,40,50]
2 sum=0
3 for i in a:
4 sum+=i
5 average=sum/5
6 print("Average=",average)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_6.PY
Average= 30.0
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>

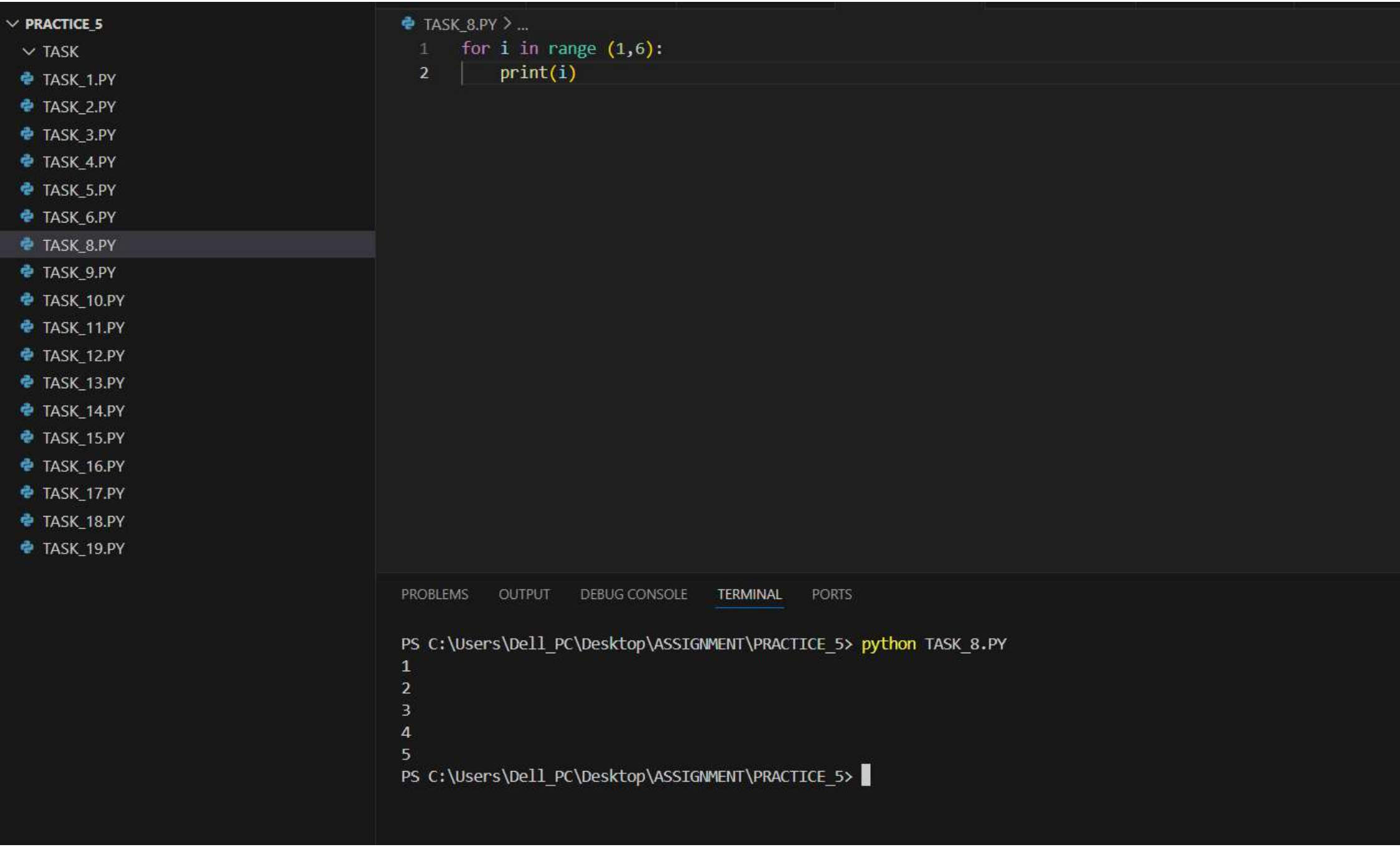
TASK_7.PY > ...

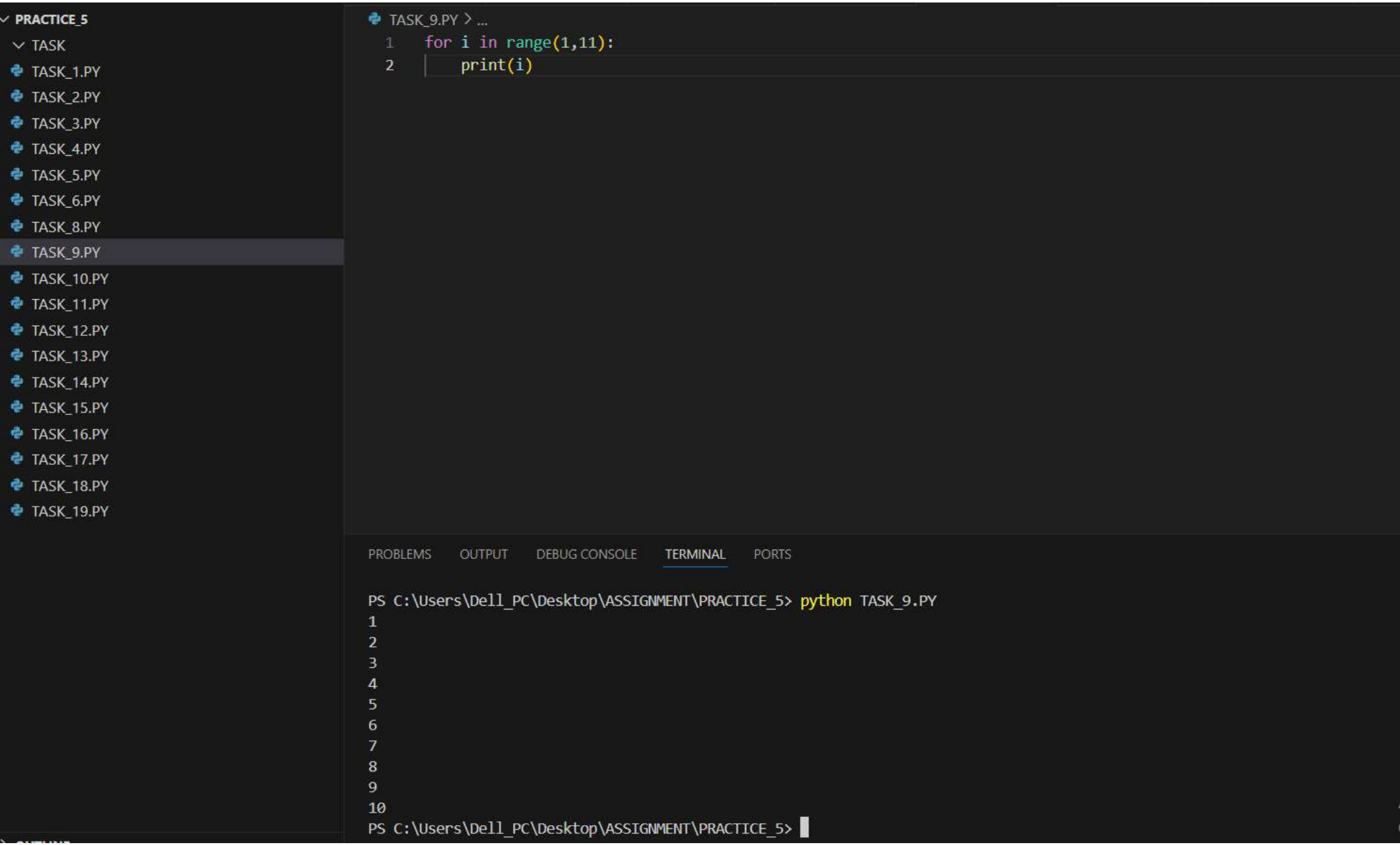
```python
print("SQUARE PATTERN")
n=5
for i in range(n):
    row=""
    for j in range(n):
        row+="*"
    print(row)


print("RECTANGLE PATTERN")
a=4
b=8
for i in range(a):
    row=""
    for j in range(b):
        row+="*"
    print(row)
```

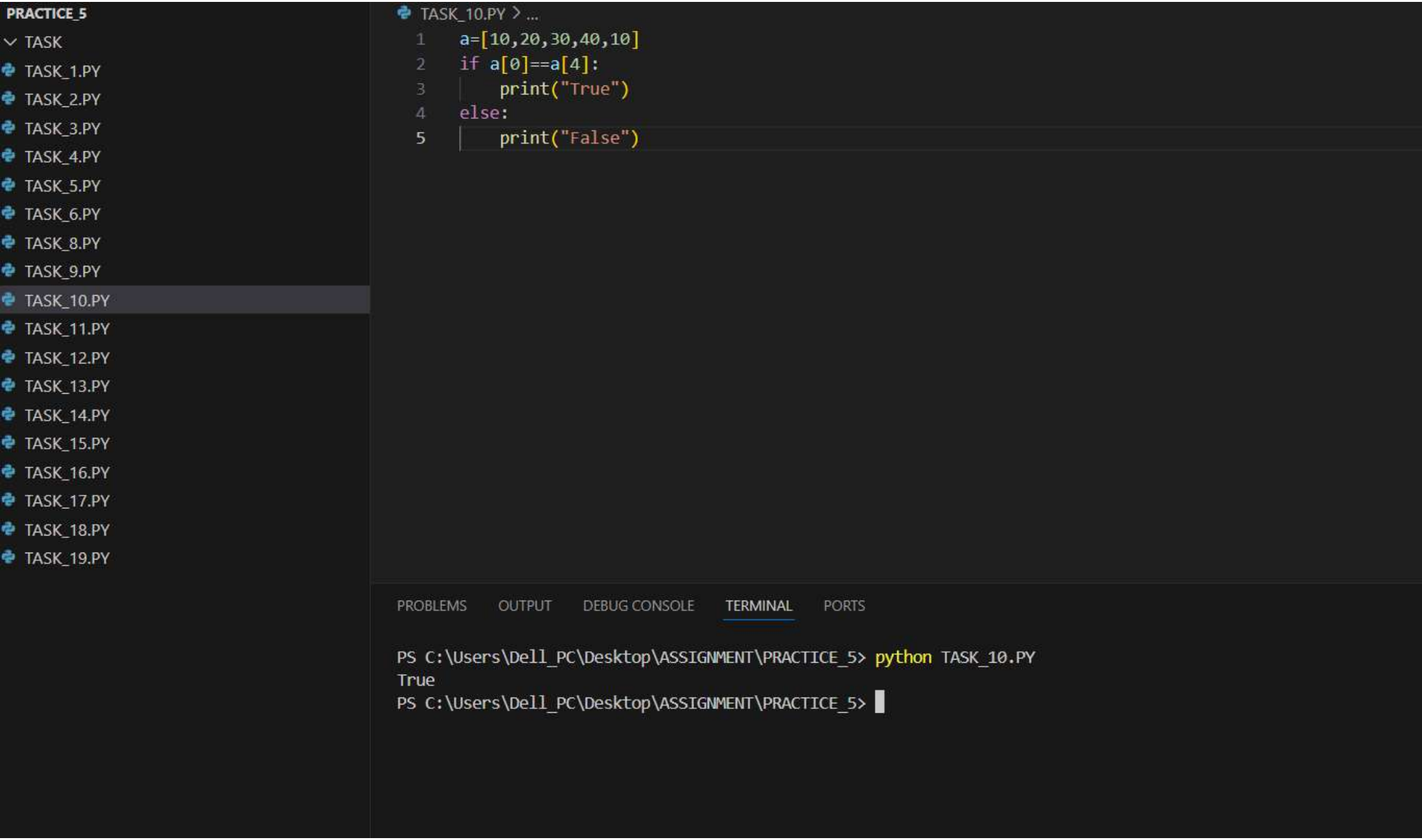
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

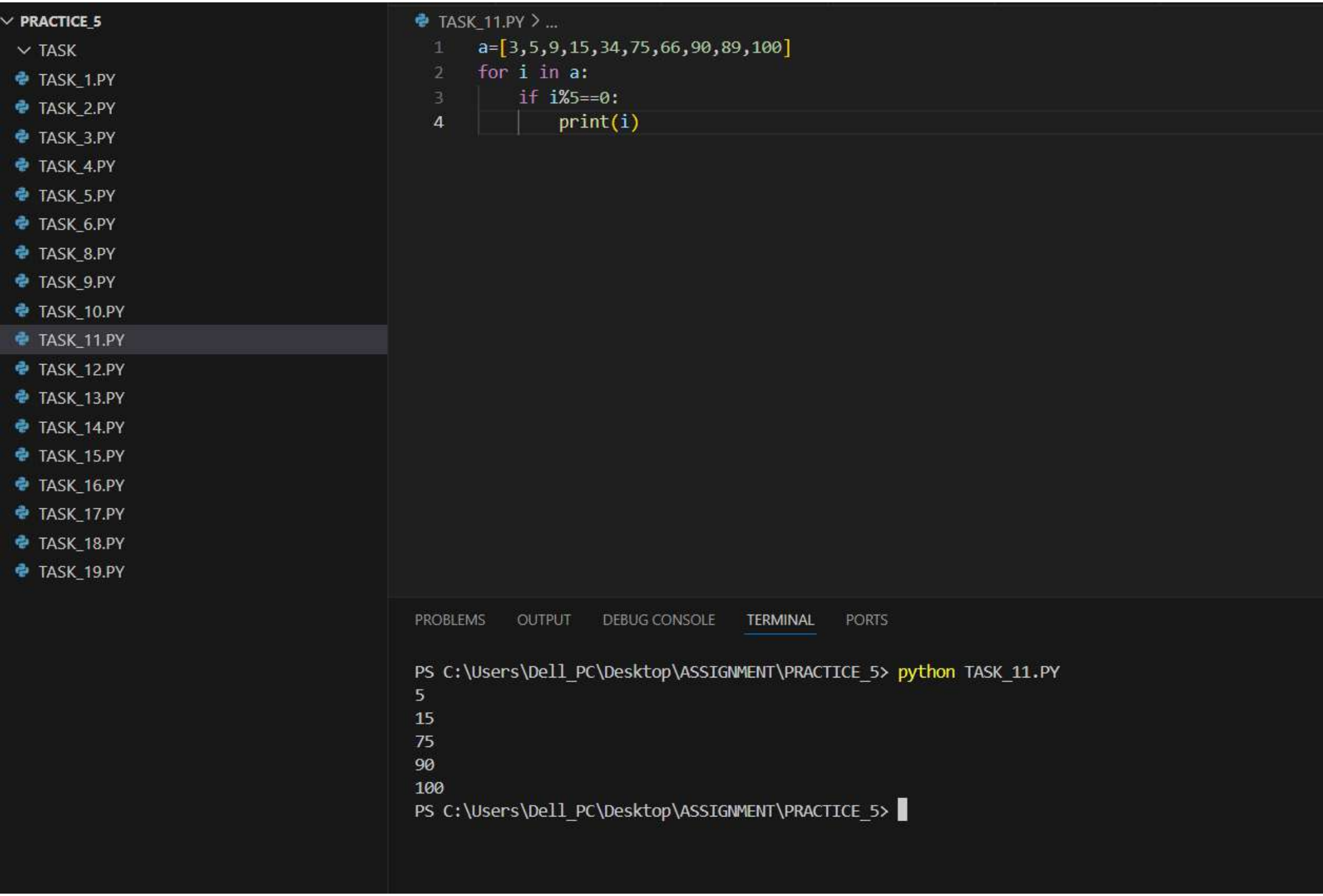
powershell

```
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_7.PY
SQUARE PATTERN
*****
*****
*****
*****
*****
RECTANGLE PATTERN
********
********
********
********
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>
```


PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
TASK_8.PY > ...
1 for i in range (1,6):
2 print(i)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_8.PY
1
2
3
4
5
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>


PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
TASK_9.PY > ...
1 for i in range(1,11):
2 print(i)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_9.PY
1
2
3
4
5
6
7
8
9
10
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>


PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
TASK_10.PY > ...
1 a=[10,20,30,40,10]
2 if a[0]==a[4]:
3 print("True")
4 else:
5 print("False")
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_10.PY
True
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>

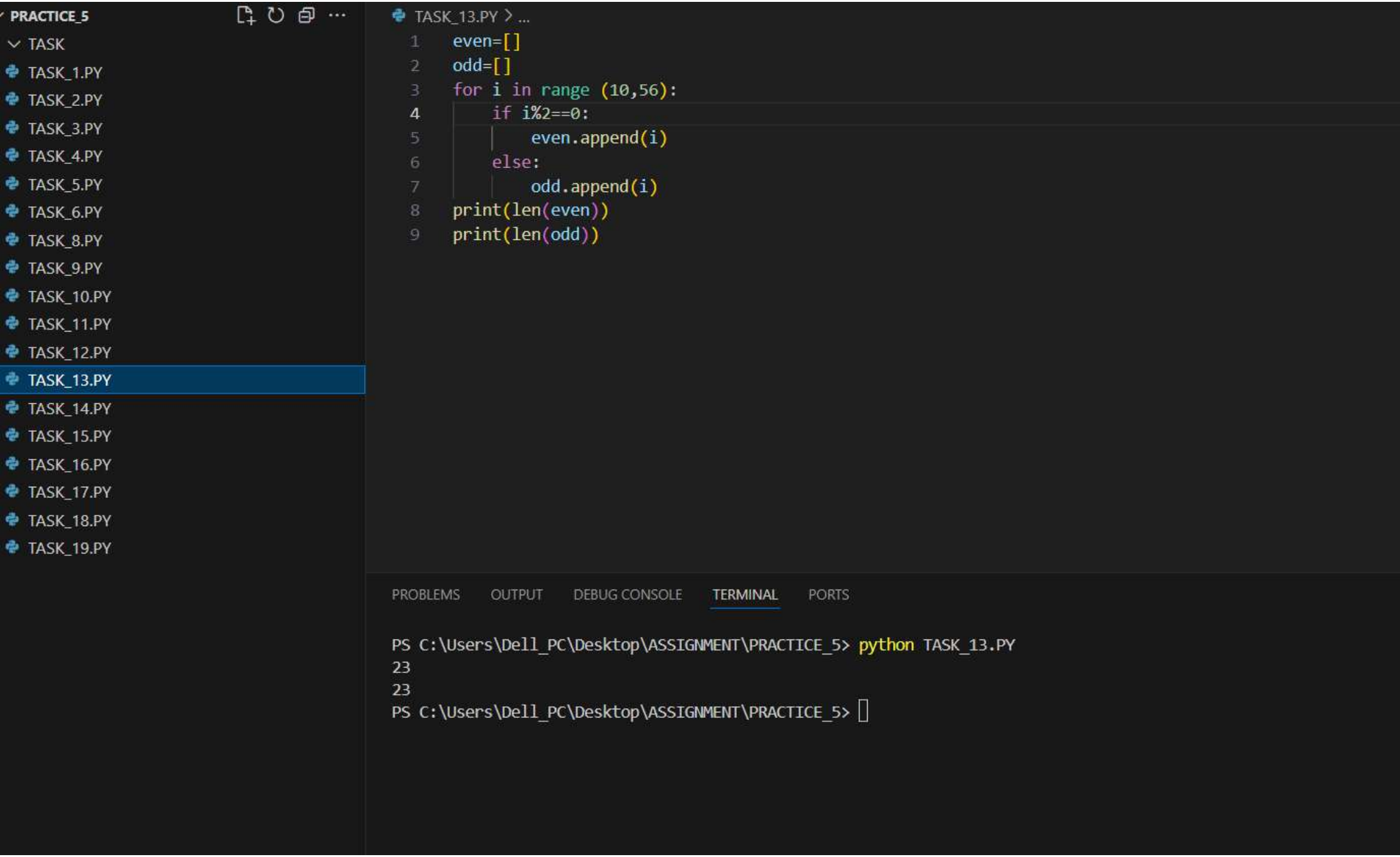

PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
TASK_11.PY > ...
1 a=[3,5,9,15,34,75,66,90,89,100]
2 for i in a:
3 if i%5==0:
4 print(i)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_11.PY
5
15
75
90
100
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>

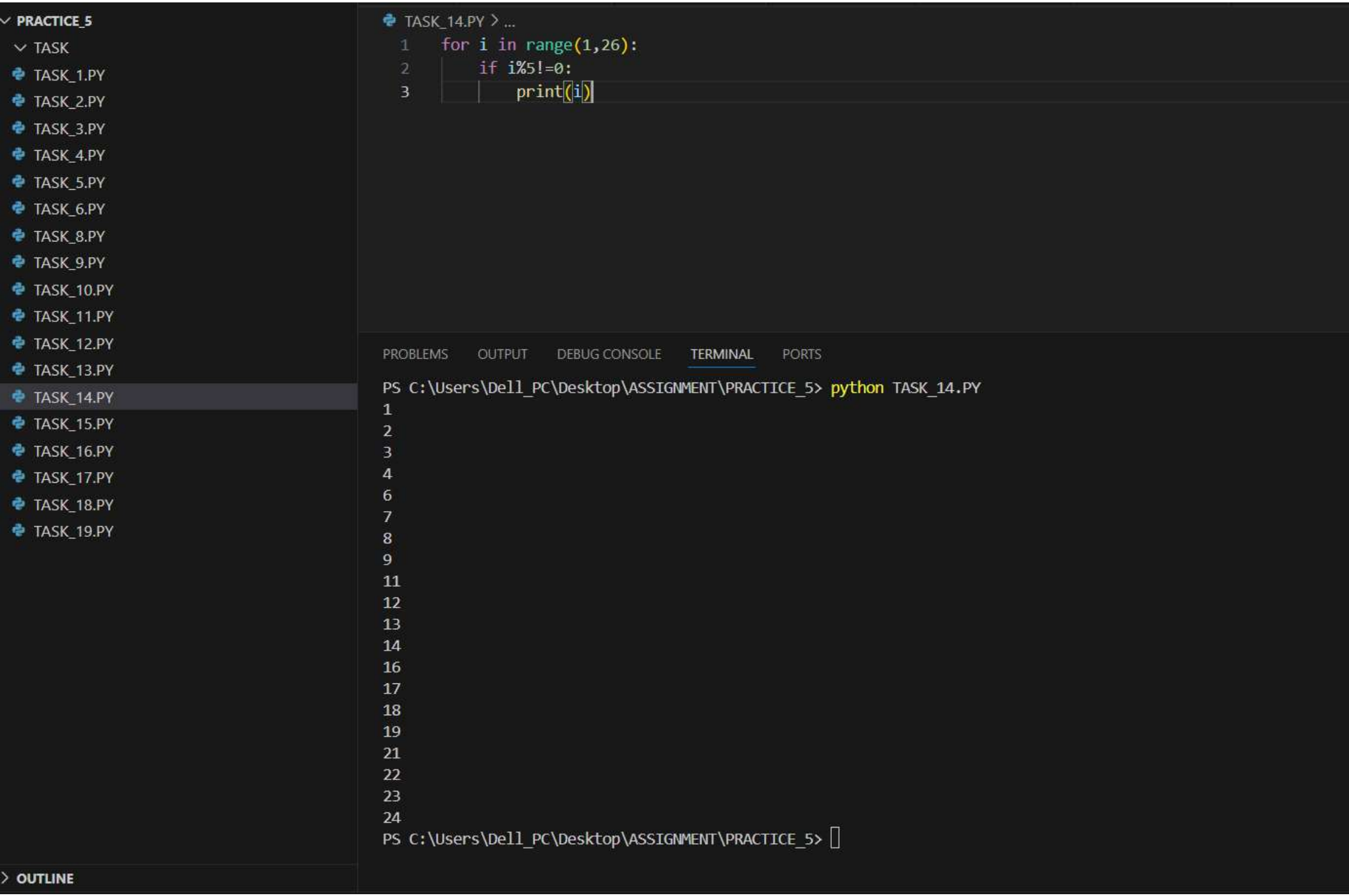
TASK_12.PY > ...

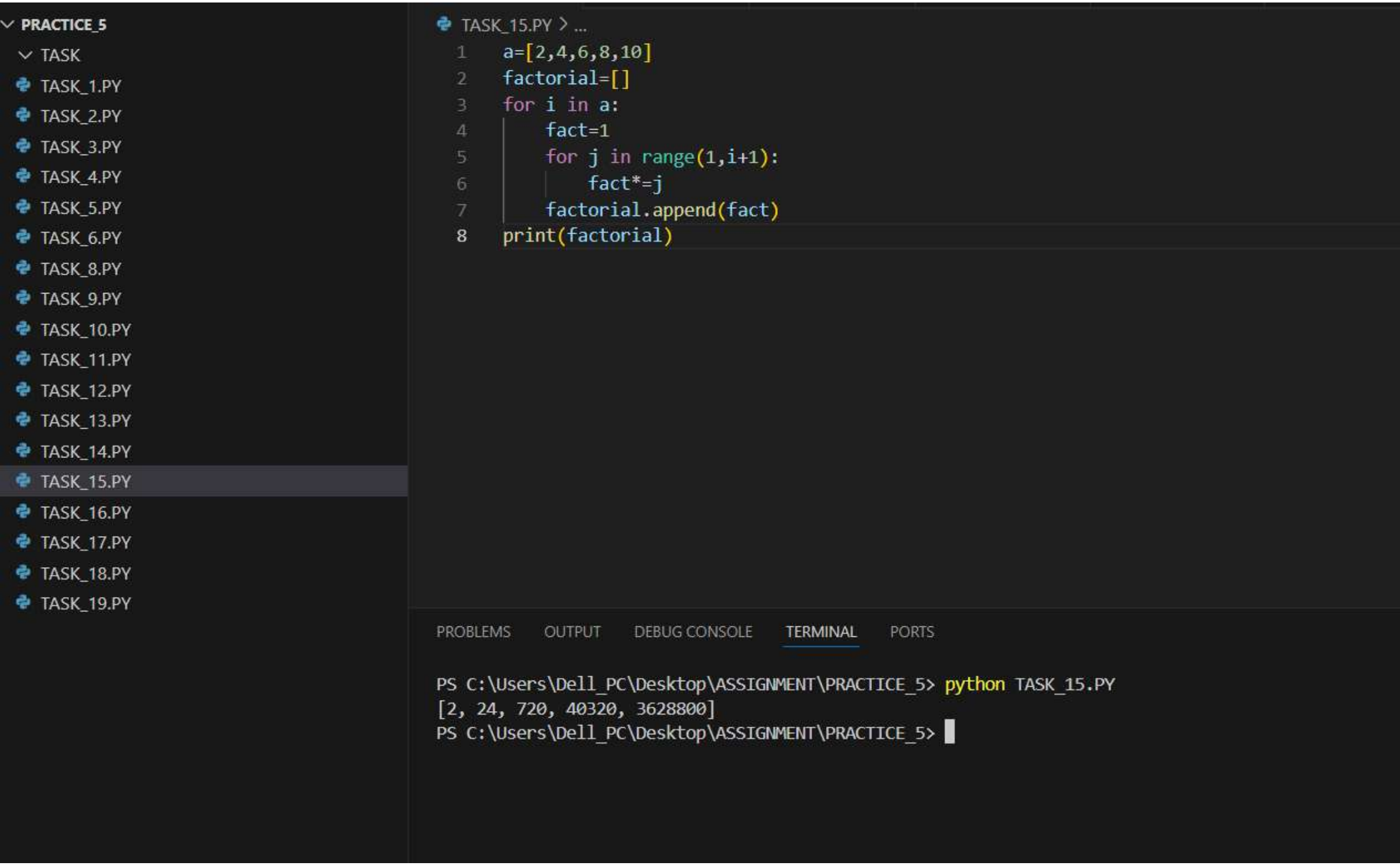
```python
a=input("Enter a letter:")
# v=["a","e","i","o","u"]
# for i in v:
#     if i==a:
#         print("Enter letter is a vowel")

#     else:
#         print("Enter letter is a consonent")

if len(a)==1 and a.isalpha():
    if a in 'aeiou':
        print("Enter letter is a vowel")
    else:
        print("Enter letter is a consonent")
else:
    print("Invalid input. Enter the single letter")
```

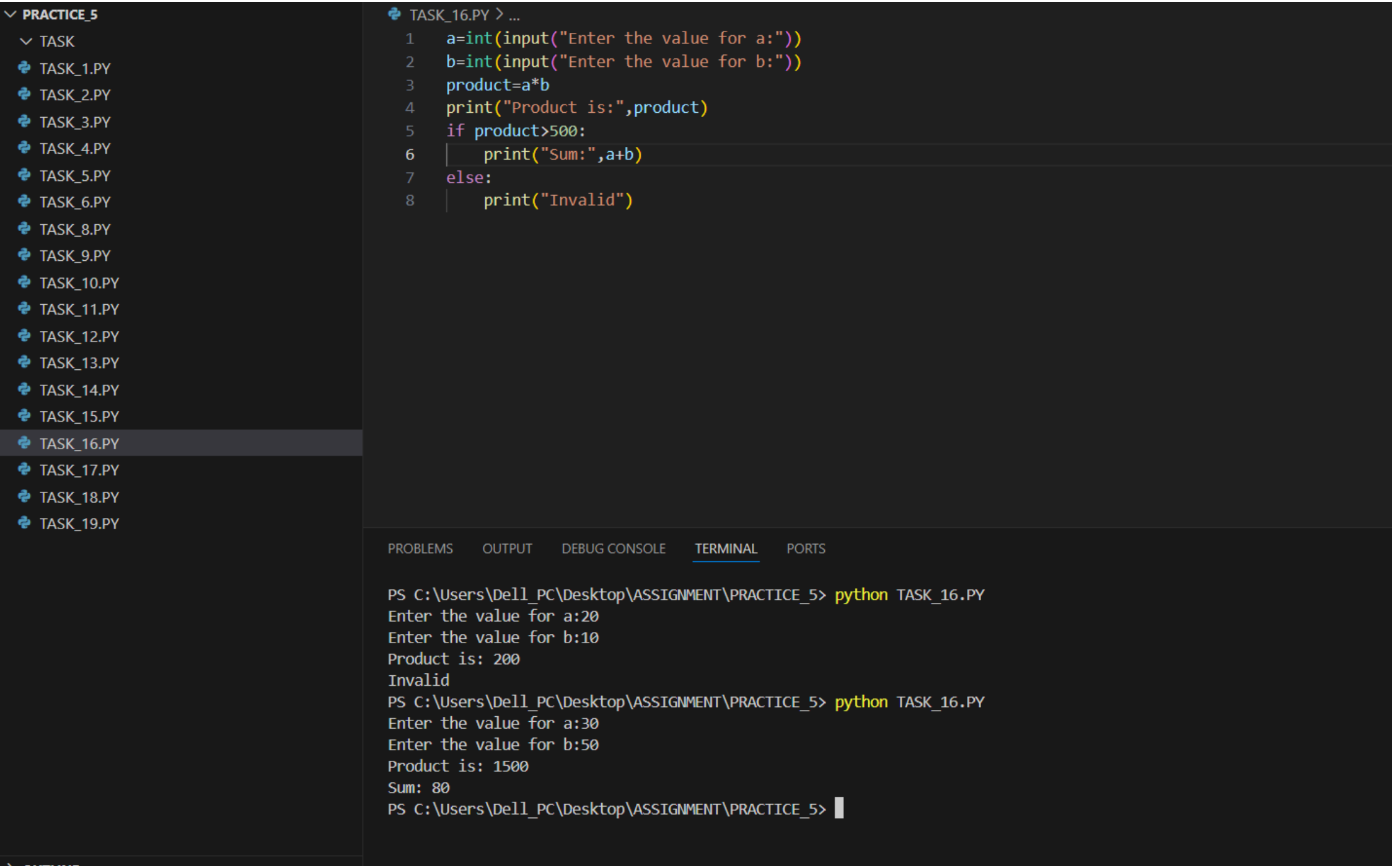
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

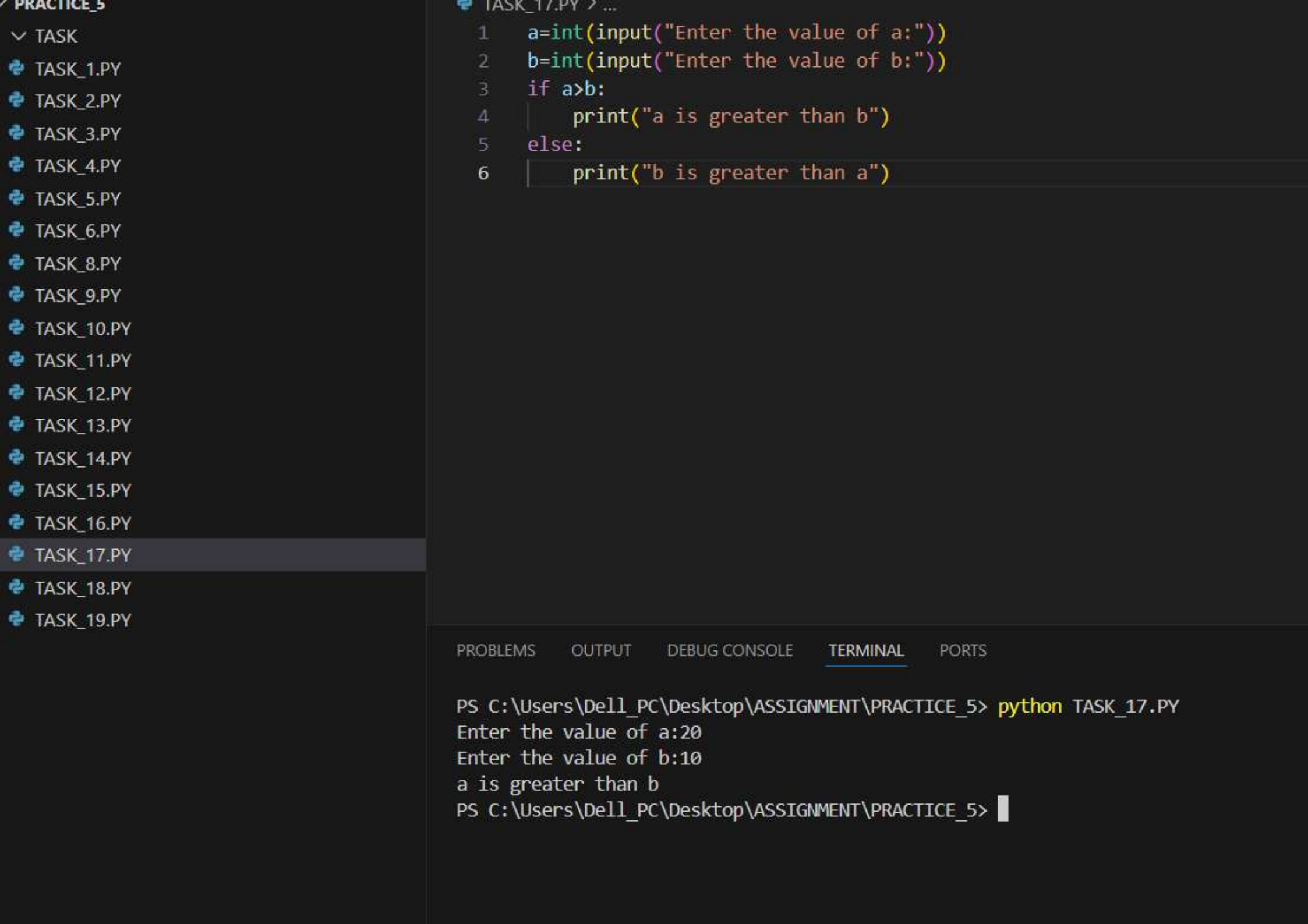
```
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_12.PY
Enter a letter:a
Enter letter is a vowel
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_12.PY
Enter a letter:d
Enter letter is a consonent
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>
```

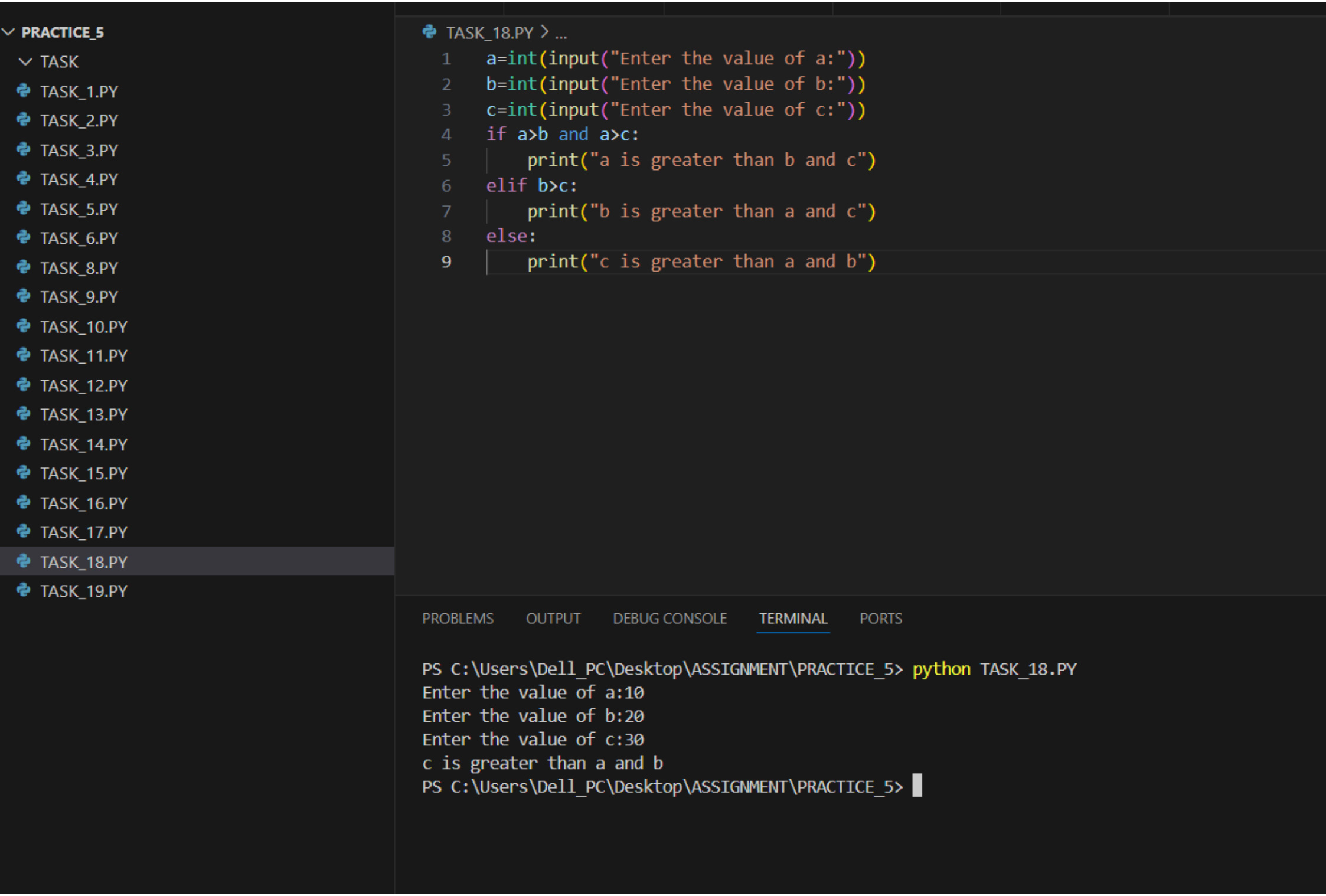

PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
TASK_13.PY > ...
even=[]
odd=[]
for i in range (10,56):
if i%2==0:
even.append(i)
else:
odd.append(i)
print(len(even))
print(len(odd))
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_13.PY
23
23
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>

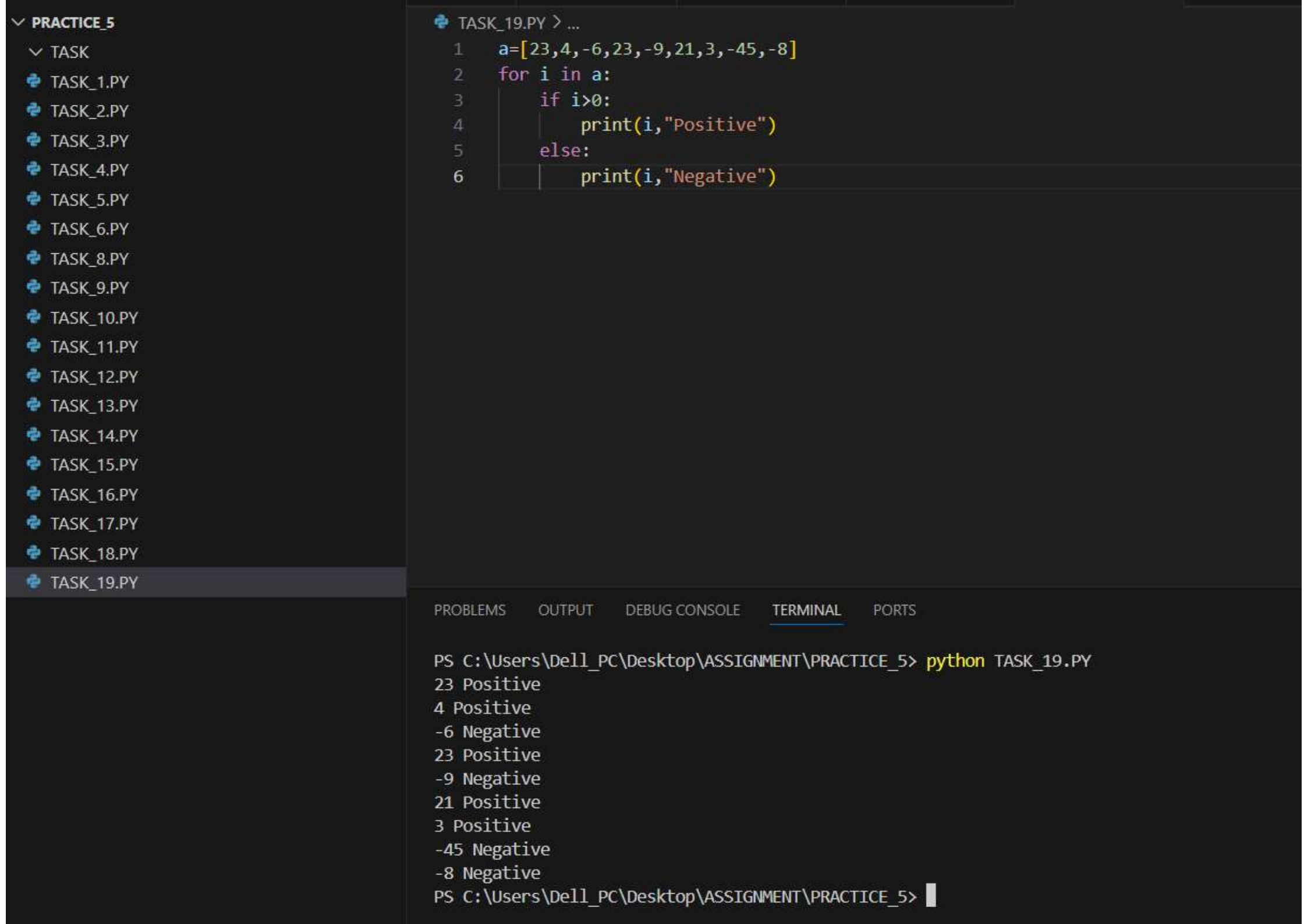

PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
OUTLINE
TASK_14.PY > ...
1 for i in range(1,26):
2 if i%5!=0:
3 print(i)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_14.PY
1
2
3
4
6
7
8
9
11
12
13
14
16
17
18
19
21
22
23
24
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>


PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
TASK_15.PY > ...
a=[2,4,6,8,10]
factorial=[]
for i in a:
fact=1
for j in range(1,i+1):
fact*=j
factorial.append(fact)
print(factorial)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_15.PY
[2, 24, 720, 40320, 3628800]
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>


PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
TASK_16.PY > ...
a=int(input("Enter the value for a:"))
b=int(input("Enter the value for b:"))
product=a*b
print("Product is:",product)
if product>500:
print("Sum:",a+b)
else:
print("Invalid")
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_16.PY
Enter the value for a:20
Enter the value for b:10
Product is: 200
Invalid
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_16.PY
Enter the value for a:30
Enter the value for b:50
Product is: 1500
Sum: 80
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>


PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
TASK_17.PY > ...
1 a=int(input("Enter the value of a:"))
2 b=int(input("Enter the value of b:"))
3 if a>b:
4 print("a is greater than b")
5 else:
6 print("b is greater than a")
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_17.PY
Enter the value of a:20
Enter the value of b:10
a is greater than b
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>


PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
TASK_18.PY > ...
1 a=int(input("Enter the value of a:"))
2 b=int(input("Enter the value of b:"))
3 c=int(input("Enter the value of c:"))
4 if a>b and a>c:
5 print("a is greater than b and c")
6 elif b>c:
7 print("b is greater than a and c")
8 else:
9 print("c is greater than a and b")
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_18.PY
Enter the value of a:10
Enter the value of b:20
Enter the value of c:30
c is greater than a and b
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>


PRACTICE_5
TASK
TASK_1.PY
TASK_2.PY
TASK_3.PY
TASK_4.PY
TASK_5.PY
TASK_6.PY
TASK_8.PY
TASK_9.PY
TASK_10.PY
TASK_11.PY
TASK_12.PY
TASK_13.PY
TASK_14.PY
TASK_15.PY
TASK_16.PY
TASK_17.PY
TASK_18.PY
TASK_19.PY
TASK_19.PY > ...
1 a=[23,4,-6,23,-9,21,3,-45,-8]
2 for i in a:
3 if i>0:
4 print(i,"Positive")
5 else:
6 print(i,"Negative")
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5> python TASK_19.PY
23 Positive
4 Positive
-6 Negative
23 Positive
-9 Negative
21 Positive
3 Positive
-45 Negative
-8 Negative
PS C:\Users\Dell_PC\Desktop\ASSIGNMENT\PRACTICE_5>