

The screenshot shows the Visual Studio Code editor interface. The Explorer sidebar on the left displays a file tree for a project named 'KARKA'. The file tree includes folders for 'Python', 'day1', 'day2', 'day3', 'practice', 'task', 'day4', 'day5', 'day6', 'day7', 'day8', 'day9', and 'day10'. The 'task' folder is selected, showing a file named 'program.py'. The main editor window displays the code for 'program.py':

```
Python > day7 > task > program.py > ...
1 #1
2 for i in range(1,11):
3     print(i)
```

The TERMINAL panel at the bottom shows the command 'python program.py' being executed, resulting in the output:

```
PS D:\Karka\python\day7\task> python program.py
1
2
3
4
5
6
7
8
9
10
PS D:\Karka\python\day7\task>
```

The screenshot shows the Visual Studio Code editor interface with the same file tree as the first image. The 'task' folder is selected, showing a file named 'program.py'. The main editor window displays the modified code for 'program.py':

```
Python > day7 > task > program.py > ...
1 # #1
2 # for i in range(1,11):
3 #     print(i)
4
5 #2
6 for i in range(1,21):
7     if(i%2==0):
8         print(i)
9
```

The TERMINAL panel at the bottom shows the command 'python program.py' being executed, resulting in the output:

```
PS D:\Karka\python\day7\task> python program.py
9
10
12
14
16
18
20
PS D:\Karka\python\day7\task>
```

The screenshot shows the Visual Studio Code editor with a file explorer on the left. The file explorer shows a project named 'KARKA' with a folder 'Python' containing subfolders 'day1' through 'day10'. The 'day7' folder is expanded, showing 'practice' and 'task' subfolders. The 'task' folder contains 'program.py'. The editor window shows the code for 'program.py'.

```
Python > day7 > task > program.py > ...
1 # #1
2 # for i in range(1,11):
3 #     print(i)
4
5 # #2
6 # for i in range(1,21):
7 #     if(i%2==0):
8 #         print(i)
9
10 #3
11 for i in range(1,21):
12     if(i%2==1):
13         print(i)
14
15
```

The terminal window shows the command 'python program.py' being executed, resulting in the following output:

```
PS D:\Karka\python\day7\task> python program.py
1
3
5
7
9
11
13
15
17
19
```

The screenshot shows the Visual Studio Code editor with the same file explorer as the first screenshot. The editor window shows the code for 'program.py'.

```
Python > day7 > task > program.py > ...
10 # #3
11 # for i in range(1,21):
12 #     if(i%2==1):
13 #         print(i)
14
15 #4
16 n=int(input("Enter a number:"))
17 fact=1
18 if n==0:
19     print("The factorial of",n,"is",fact)
20 else:
21     for i in range(1,n+1):
22         fact=fact*i
23     print("The factorial of",n,"is",fact)
24
25
26
27
28 # #5
29 # sum=0
30 # for i in range(1,101):
```

The terminal window shows the command 'python program.py' being executed, resulting in the following output:

```
PS D:\Karka\python\day7\task> python program.py
Enter a number:5
The factorial of 5 is 6
The factorial of 5 is 24
The factorial of 5 is 120
PS D:\Karka\python\day7\task> python program.py
Enter a number:5
The factorial of 5 is 1
The factorial of 5 is 2
The factorial of 5 is 6
The factorial of 5 is 24
The factorial of 5 is 120
PS D:\Karka\python\day7\task> python program.py
Enter a number:5
The factorial of 5 is 120
PS D:\Karka\python\day7\task>
```

The screenshot shows the VS Code editor with a file explorer on the left. The file explorer shows a project named 'KARKA' with a folder 'Python' containing subfolders 'day1' through 'day10'. The 'day7' folder is selected, showing files 'task', 'program.py', 'four.py', 'five.py', and 'six.py'. The 'program.py' file is open in the editor. The code in 'program.py' is as follows:

```
14 # #4
15 # n=int(input("Enter a number:"))
16 # fact=1
17 # if n==0:
18 #     print("The factorial of",n,"is",fact)
19 # else:
20 #     for i in range(1,n+1):
21 #         fact=fact*i
22 #     print("The factorial of",n,"is",fact)
23
24
25
26 #5
27 sum=0
28 for i in range(1,101):
29     sum=sum+i
30 print(sum)
31
```

The terminal output shows the execution of the program. It prints the factorial of 5 (120) and the sum of numbers from 1 to 101 (5151).

```
PS D:\Karka\python\day7\task> python program.py
Enter a number:5
The factorial of 5 is 120
The factorial of 5 is 120
PS D:\Karka\python\day7\task> python program.py
Enter a number:5
The factorial of 5 is 120
The factorial of 5 is 120
PS D:\Karka\python\day7\task>
```

The screenshot shows the VS Code editor with the same file explorer as the first screenshot. The 'program.py' file is open in the editor. The code in 'program.py' is as follows:

```
25
26 # #5
27 sum=0
28 for i in range(1,101):
29     sum=sum+i
30 print(sum)
31
32 #6
33 list=[10,20,30,40,50]
34 sum=0
35 for i in range(len(list)):
36     sum=sum+list[i]
37 avg=sum/len(list)
38 print("Average=",avg)
39
40
41
```

The terminal output shows the execution of the program. It prints the sum of numbers from 1 to 101 (5151) and the average of the list [10, 20, 30, 40, 50] (30.0).

```
PS D:\Karka\python\day7\task> python program.py
Enter a number:5
The factorial of 5 is 120
The factorial of 5 is 120
PS D:\Karka\python\day7\task> python program.py
Enter a number:5
The factorial of 5 is 120
The factorial of 5 is 120
PS D:\Karka\python\day7\task> python program.py
Average= 30.0
PS D:\Karka\python\day7\task>
```


The screenshot shows the Visual Studio Code editor with a file explorer on the left. The file explorer shows a project named 'KARKA' with a folder 'Python' containing subfolders 'day1' through 'day10'. The 'day7' folder is expanded, showing 'practice' and 'task' subfolders. The 'task' folder contains 'program.py'. The editor window shows the code in 'program.py' with line numbers 67 to 80. The code is a Python script that prints a sequence of numbers. The terminal window at the bottom shows the command 'python program.py' being executed, and the output is a sequence of numbers from 1 to 10.

```
67 # print(" ", end="")
68 # for j in range(2 * i + 1):
69 #     print(" ", end="")
70 # print()
71
72 # #8
73 # for i in range(1,6):
74 #     print(i)
75
76 # #9
77 for i in range(1,11):
78     print(i)
79
80
```

PROBLEMS OUTPUT TERMINAL PORTS

PS D:\Karka\python\day7\task> python program.py

1
2
3
4
5
6
7
8
9
10

The screenshot shows the Visual Studio Code editor with the same file explorer as the first screenshot. The editor window shows the code in 'program.py' with line numbers 73 to 86. The code is a Python script that prints a sequence of numbers. The terminal window at the bottom shows the command 'python program.py' being executed, and the output is a sequence of numbers from 1 to 10, followed by 'True' on each line from day8 to day10.

```
73 # for i in range(1,6):
74 #     print(i)
75
76 # #9
77 # for i in range(1,11):
78 #     print(i)
79
80 # #10
81 a=[10, 20, 30, 40, 10]
82 if a[0]==a[-1]:
83     print("True")
84
85
86
```

PROBLEMS OUTPUT TERMINAL PORTS

PS D:\Karka\python\day7\task> python program.py

1
2
3
4
5
6
7
8
9
10

PS D:\Karka\python\day7\task> python program.py

True
True
True
True

PS D:\Karka\python\day7\task> python program.py

True

File Edit Selection View Go Run Terminal Help Karka

EXPLORER

- KARKA
 - Python
 - day1
 - day2
 - day3
 - practice
 - task
 - program.py
 - day4
 - practice
 - four.py
 - task
 - program.py
 - day5
 - practice
 - five.py
 - task
 - day6
 - practice
 - six.py
 - task
 - program.py
 - day7
 - practice
 - seven.py
 - task
 - program.py
 - day8
 - day9
 - day10
 - OUTLINE
 - TIMELINE

Python > day7 > task > program.py

```
80 # #10
81 a=[10, 20, 30, 40, 10]
82 # if a[0]==a[-1]:
83 #     print("True")
84
85 #11
86 b=[10,12,15,25,27,32,30,50,56,]
87 for i in range(len(b)):
88     if(b[i]%5==0):
89         print(b[i])
90
91
92
```

PROBLEMS OUTPUT TERMINAL PORTS

6
7
8
9
10
PS D:\Karka\python\day7\task> python program.py
True
True
True
True
True
PS D:\Karka\python\day7\task> python program.py
True
PS D:\Karka\python\day7\task> python program.py
15
25
30
50
PS D:\Karka\python\day7\task>

Ln 90, Col 9 Spaces: 4 UTF-8 CRLF {} Python 3.12.5

File Edit Selection View Go Run Terminal Help Karka

EXPLORER

- KARKA
 - Python
 - day1
 - day2
 - day3
 - practice
 - task
 - program.py
 - day4
 - practice
 - four.py
 - task
 - program.py
 - day5
 - practice
 - five.py
 - task
 - day6
 - practice
 - six.py
 - task
 - program.py
 - day7
 - practice
 - seven.py
 - task
 - program.py
 - day8
 - day9
 - day10
 - OUTLINE
 - TIMELINE

Python > day7 > task > program.py

```
88 # if(b[i]%5==0):
89 #     print(b[i])
90
91 #12
92 char = input("Enter a character: ")
93 vowels = ['a', 'e', 'i', 'o', 'u', 'A', 'E', 'I', 'O', 'U']
94
95 if char in vowels:
96     print(char, "is a vowel")
97 else:
98     print(char, "is a consonant")
99
100
101
102
```

PROBLEMS OUTPUT TERMINAL PORTS

15
25
30
50
PS D:\Karka\python\day7\task> python program.py
Enter a character:a
a is a vowel
a is a consonant
a is a consonant
a is a consonant
a is a consonant
a is a consonant
a is a consonant
a is a consonant
a is a consonant
a is a consonant
PS D:\Karka\python\day7\task> python program.py
Enter a character: r
r is a consonant
PS D:\Karka\python\day7\task>

Ln 98, Col 34 Spaces: 4 UTF-8 CRLF {} Python 3.12.5

Python > day7 > task > program.py

```
110 #13
111 odd=[]
112 even=[]
113 for i in range(10,55):
114     if(i%2==0):
115         even.append(i)
116     else:
117         odd.append(i)
118 print("The count of odd numbers between 10 and 55 is",len(odd))
119 print("The count of even numbers between 10 and 55 is",len(even))
120
```

PROBLEMS OUTPUT TERMINAL PORTS

50
PS D:\Karka\python\day7\task> python program.py
Enter a character:a
a is a vowel
a is a consonant
a is a consonant
a is a consonant
a is a consonant
a is a consonant
a is a consonant
a is a consonant
a is a consonant
a is a consonant
a is a consonant
PS D:\Karka\python\day7\task> python program.py
Enter a character: r
r is a consonant
PS D:\Karka\python\day7\task> python program.py
The count of odd numbers between 10 and 55 is 22
The count of even numbers between 10 and 55 is 23
PS D:\Karka\python\day7\task>

Python > day7 > task > program.py

```
104 # If(i%2==0):
105 #     even.append(i)
106 # else:
107 #     odd.append(i)
108 # print("The count of odd numbers between 10 and 55 is",len(odd))
109 # print("The count of even numbers between 10 and 55 is",len(even))
110
111 #14
112 for i in range(1,26):
113     if(i%5!=0):
114         print(i)
115
```

PROBLEMS OUTPUT TERMINAL PORTS

1
2
3
4
6
7
8
9
11
12
13
14
16
17
18
19
21
22
23
24
PS D:\Karka\python\day7\task>

```
File Edit Selection View Go Run Terminal Help Karka
EXPLORER Python day1 day2 day3 practice task program.py day4 practice four.py task program.py day5 practice five.py task program.py day6 practice six.py task program.py day7 practice seven.py task program.py day8 day9 day10 OUTLINE TIMELINE
Python > day7 > task > program.py
112 # for i in range(1,20):
113 #     if(i%5!=0):
114 #         print(i)
115
116 #15
117
118 numbers = [3, 4, 5, 6]
119 for num in numbers:
120     factorial = 1
121     for i in range(1, num + 1):
122         factorial *= i
123     print(f"Factorial of {num} is {factorial}")
124
125
PROBLEMS OUTPUT TERMINAL PORTS
PS D:\Karka\python\day7\task> python program.py
Enter a list of numbers:[1,2,3,4,5]
Traceback (most recent call last):
  File "D:\Karka\python\day7\task\program.py", line 117, in <module>
    n=int(input("Enter a list of numbers:"))
ValueError: invalid literal for int() with base 10: '[1,2,3,4,5]'
PS D:\Karka\python\day7\task> python program.py
Enter a list of numbers:[1,2,3,4,5]
Factorial of 3 is 6
Factorial of 4 is 24
Factorial of 5 is 120
Factorial of 6 is 720
PS D:\Karka\python\day7\task>
```

```
File Edit Selection View Go Run Terminal Help Karka
EXPLORER Python day1 day2 day3 practice task program.py day4 practice four.py task program.py day5 practice five.py task program.py day6 practice six.py task program.py day7 practice seven.py task program.py day8 day9 day10 OUTLINE TIMELINE
Python > day7 > task > program.py
122 # factorial *= i
123 # print(f"Factorial of {num} is {factorial}")
124
125 #16
126 # Task 16: Product or Sum of Two Integers
127 a=int(input("Enter a value:"))
128 b=int(input("Enter a value:"))
129 product = a*b
130 if product > 500:
131     result = a+b
132 else:
133     result = product
134 print("Result:", result)
135
136
137
PROBLEMS OUTPUT TERMINAL PORTS
24
PS D:\Karka\python\day7\task> python program.py
Enter a list of numbers:[1,2,3,4,5]
Traceback (most recent call last):
  File "D:\Karka\python\day7\task\program.py", line 117, in <module>
    n=int(input("Enter a list of numbers:"))
ValueError: invalid literal for int() with base 10: '[1,2,3,4,5]'
PS D:\Karka\python\day7\task> python program.py
Enter a list of numbers:[1,2,3,4,5]
Factorial of 3 is 6
Factorial of 4 is 24
Factorial of 5 is 120
Factorial of 6 is 720
PS D:\Karka\python\day7\task> python program.py
Enter a value:30
Enter a value:45
Result: 75
PS D:\Karka\python\day7\task>
```


File Edit Selection View Go Run Terminal Help Karka

EXPLORER

- KARKA
 - Python
 - day1
 - day2
 - day3
 - practice
 - task
 - program.py
 - day4
 - practice
 - four.py
 - task
 - program.py
 - day5
 - practice
 - five.py
 - task
 - day6
 - practice
 - day7
 - practice
 - six.py
 - task
 - program.py
 - day8
 - day9
 - day10
- OUTLINE
- TIMELINE

Python > day7 > task > program.py > ...

```
133 # result = product
134 # print("Result:", result)
135
136 #17
137
138 a=int(input("Enter a value:"))
139 b=int(input("Enter a value:"))
140 # Compare and print the greater number
141 if a > b:
142     print("Greater number is:", a)
143 else:
144     print("Greater number is:", b)
145
146
147
148
```

PROBLEMS OUTPUT TERMINAL PORTS

File "D:\Karka\python\day7\task\program.py", line 117, in <module>
n=int(input("Enter a list of numbers:"))
ValueError: invalid literal for int() with base 10: '[1,2,3,4,5]'
PS D:\Karka\python\day7\task> python program.py
Factorial of 3 is 6
Factorial of 4 is 24
Factorial of 5 is 120
Factorial of 6 is 720
PS D:\Karka\python\day7\task> python program.py
Result: 65
PS D:\Karka\python\day7\task> python program.py
Enter a value:30
Enter a value:45
Result: 75
PS D:\Karka\python\day7\task> python program.py
Enter a value:5
Enter a value:3
Greater number is: 5
PS D:\Karka\python\day7\task>

Ln 144, Col 34 Spaces: 4 UTF-8 CRLF Python 3.12.5

File Edit Selection View Go Run Terminal Help Karka

EXPLORER

- KARKA
 - Python
 - day1
 - day2
 - day3
 - practice
 - task
 - program.py
 - day4
 - practice
 - four.py
 - task
 - program.py
 - day5
 - practice
 - five.py
 - task
 - day6
 - practice
 - day7
 - practice
 - six.py
 - task
 - program.py
 - day8
 - day9
 - day10
- OUTLINE
- TIMELINE

Python > day7 > task > program.py > ...

```
144
145 #18
146 a=int(input("Enter a value:"))
147 b=int(input("Enter b value:"))
148 c=int(input("Enter c value:"))
149 if (a > b and a > c):
150     print("Greater number is:", a)
151 elif (b > c and b > a):
152     print("Greater number is:", b)
153 else:
154     print("Greater number is:", c)
155
156
157
158
159
```

PROBLEMS OUTPUT TERMINAL PORTS

Factorial of 4 is 24
Factorial of 5 is 120
Factorial of 6 is 720
PS D:\Karka\python\day7\task> python program.py
Result: 65
PS D:\Karka\python\day7\task> python program.py
Enter a value:30
Enter a value:45
Result: 75
PS D:\Karka\python\day7\task> python program.py
Enter a value:5
Enter a value:3
Greater number is: 5
PS D:\Karka\python\day7\task> python program.py
Enter a value:5
Enter b value:6
Enter c value:7
Greater number is: 7
PS D:\Karka\python\day7\task>

Ln 154, Col 35 Spaces: 4 UTF-8 CRLF Python 3.12.5

