

```
python > day4 > task > taskthree.py > ...
1 #1
2 def sayhello(name):
3     print(f"hello, {name}!")
4     sayhello("deepak")
5
```

OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS D:\karka\python\day4\task> python taskthree.py
PS D:\karka\python\day4\task> python taskthree.py
PS D:\karka\python\day4\task> python taskthree.py
PS D:\karka\python\day4\task> python taskthree.py
hello, deepak!
PS D:\karka\python\day4\task>
PS D:\karka\python\day4\task>
PS D:\karka\python\day4\task>
PS D:\karka\python\day4\task> python taskthree.py
hello, deepak!
5
PS D:\karka\python\day4\task>
```

```
python > day4 > task > taskthree.py > ...
6 #2
7 a=2
8 b=3
9 def add():
10     print(a+b)
11 add()
```

OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS D:\karka\python\day4\task> python taskthree.py
PS D:\karka\python\day4\task> python taskthree.py
PS D:\karka\python\day4\task> python taskthree.py
PS D:\karka\python\day4\task> python taskthree.py
hello, deepak!
PS D:\karka\python\day4\task>
PS D:\karka\python\day4\task>
PS D:\karka\python\day4\task>
PS D:\karka\python\day4\task> python taskthree.py
hello, deepak!
5
PS D:\karka\python\day4\task>
```

The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a project structure with folders 'python', 'day1', 'day2', and 'day3'. Under 'day3', there is a 'task' folder containing 'taskthree.py'. The main editor window displays the code for 'taskthree.py':

```
13 #3
14
15
16 #4
17 a=5
18 b=20
19 def mul():
20     print(a*b)
21 mul()
22
```

The Output pane at the bottom shows the execution of the script:

```
PS D:\karka\python\day4\task> python taskthree.py
hello,deepak!
PS D:\karka\python\day4\task>
PS D:\karka\python\day4\task>
PS D:\karka\python\day4\task> python taskthree.py
hello,deepak!
5
PS D:\karka\python\day4\task> python taskthree.py
100
PS D:\karka\python\day4\task>
```

returns their product

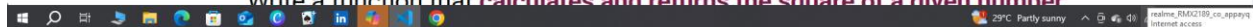
The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a project structure with folders 'python', 'day1', 'day2', and 'day3'. Under 'day3', there is a 'task' folder containing 'taskthree.py'. The main editor window displays the code for 'taskthree.py':

```
20 # print(a*b)
21 # mul()
22
23 #5
24 a=60
25 b=40
26 def div():
27     print(a/b)
28 div()
29
```

The Output pane at the bottom shows the execution of the script:

```
PS D:\karka\python\day4\task> python taskthree.py
hello,deepak!
PS D:\karka\python\day4\task>
PS D:\karka\python\day4\task>
PS D:\karka\python\day4\task> python taskthree.py
hello,deepak!
5
PS D:\karka\python\day4\task> python taskthree.py
100
PS D:\karka\python\day4\task> python taskthree.py
1.5
PS D:\karka\python\day4\task>
```

Write a function that calculates and returns the square of a given number



```
python > day4 > task > taskthree.py > ...
30 #
31
32 #7
33 def square(n):
34     sq=n*n
35     print(sq)
36     square(4)
37
```

OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS D:\karka\python\day4\task> python taskthree.py
PS D:\karka\python\day4\task> python taskthree.py
File "D:\karka\python\day4\task\taskthree.py", line 33
def square()
^
SyntaxError: expected ':'
PS D:\karka\python\day4\task> python taskthree.py
Traceback (most recent call last):
  File "D:\karka\python\day4\task\taskthree.py", line 36, in <module>
    square(4)
    ~~~~~^~
TypeError: square() takes 0 positional arguments but 1 was given
PS D:\karka\python\day4\task> python taskthree.py
16
PS D:\karka\python\day4\task> 
```

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```
python > day4 > task > taskthree.py > ...
36 # print(sq)
37 # square(4)
38
39 #6
40 def factorial(n):
41     if n==0:
42         return 1
43     ans=n*factorial(n-1)
44     return ans
45 print(factorial(5))
46 print(factorial(2))
```

OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
def factorial(n):
^
IndentationError: expected an indented block after function definition on line 14
PS D:\karka\python\day4\task> python taskthree.py
PS D:\karka\python\day4\task> python taskthree.py
120
PS D:\karka\python\day4\task> python takthree.py
C:\Users\ADMIN\AppData\Local\Programs\Python\Python313\python.exe: can't open file 'D:\karka\python\day4\task\takthree.py': [Errno 2] No such file or directory
PS D:\karka\python\day4\task> python taskthree.py
120
2
PS D:\karka\python\day4\task> 
```

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