

The screenshot shows the Visual Studio Code editor with a file explorer on the left. The file explorer shows a project structure with folders for 'KARKA', 'Python', 'day1', 'day2', 'day3', 'practice', 'task', and 'four.py'. The 'four.py' file is open in the editor. The code in 'four.py' is as follows:

```
1 #1
2 def sayHello(name):
3     print("Hello,world",name)
4     return
5 sayHello("Mathusha")
6
7 #2
8 def add(a,b):
9     sum=a+b
10    return (sum)
11    c=add(45,40)
12    print(c)
13
14 #3
15 def multiply(x,y):
16     out=xy
17     return (out)
18     d=multiply(2,4)
19     print(d)
20
21 #4
22 a=5
23 b=6
```

The terminal output shows the following:

```
Traceback (most recent call last):
  File "D:\Karka\python\day4\task\program.py", line 4, in <module>
    sayHello(veena)
    ^^^^^
NameError: name 'veena' is not defined

PS D:\Karka\python\day4\task> python program.py
Hello,world 2
PS D:\Karka\python\day4\task> python program.py
Hello,world Mathusha
PS D:\Karka\python\day4\task> python program.py
Hello,world Mathusha
PS D:\Karka\python\day4\task>
```

The screenshot shows the Visual Studio Code editor with the same file explorer and 'four.py' file. The code in 'four.py' is the same as in the first screenshot. The terminal output shows the following:

```
sayHello(veena)
NameError: name 'veena' is not defined
PS D:\Karka\python\day4\task> python program.py
Hello,world 2
PS D:\Karka\python\day4\task> python program.py
Hello,world Mathusha
PS D:\Karka\python\day4\task> python program.py
Hello,world Mathusha
PS D:\Karka\python\day4\task> python program.py
85
PS D:\Karka\python\day4\task>
```

VS Code editor window showing a Python file named `program.py`. The file contains the following code:

```
2 # def sayHello(name):
3 #     print("Hello,world",name)
4 #     return
5 # sayHello("Mathusha")
6
7 # #2
8 # def add(a,b):
9 #     sum=a+b
10 #     return (sum)
11 # c=add(45,40)
12 # print(c)
13
14 #3
15 def multiply(x,y):
16     out=x*y
17     return (out)
18 d=multiply(2,4)
19 print(d)
20
21 # #4
22 # a=5
23 # b=6
24 # def multiply(a,b):
```

The terminal output shows the execution of the code, resulting in a `NameError: name 'veena' is not defined`.

VS Code editor window showing the same Python file `program.py` with additional code added. The file now contains the following code:

```
10 #     return (sum)
11 # c=add(45,40)
12 # print(c)
13
14 # #3
15 def multiply(x,y):
16     out=x*y
17     return (out)
18 d=multiply(2,4)
19 print(d)
20
21 # #4
22 a=5
23 b=6
24 def multiply(a,b):
25     mul=a*b
26     return mul
27 print(multiply(5,6))
28
29 # #5
30 # def div(a,b):
31 #     f=a/b
32 #     print(f)
```

The terminal output shows the execution of the code, resulting in a `NameError: name 'veena' is not defined`.

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
 - day6
 - day7
 - day8
 - day9
 - day10

Python > day4 > task > program.py

```
16 # out=x*y
17 # return (out)
18 # d=multiply(2,4)
19 # print(d)
20
21 # #4
22 # a=5
23 # b=6
24 def multiply(a,b):
25 # mul=a*b
26 # return mul
27 # print(multiply(5,6))
28
29 #5
30 def div(a,b):
31 # f=a/b
32 # print(f)
33 div(10,3)
34
35 # #6
36 def factorial(n):
37 # if n==0:
38 # return 1
```

PROBLEMS OUTPUT TERMINAL PORTS

PS D:\Karka\python\day4\task> python program.py

Traceback (most recent call last):

File "D:\Karka\python\day4\task\program.py", line 33, in <module>

div(10/3)

TypeError: div() missing 1 required positional argument: 'b'

PS D:\Karka\python\day4\task> python program.py

3.3333333333333335

PS D:\Karka\python\day4\task>

Ln 33, Col 10 Spaces: 4 UTF-8 CRLF Python 3.13.5 64-bit

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
 - day6
 - day7
 - day8
 - day9
 - day10

Python > day4 > task > program.py

```
25 # mul=a*b
26 # return mul
27 # print(multiply(5,6))
28
29 # #5
30 # def div(a,b):
31 # f=a/b
32 # print(f)
33 # div(10,3)
34
35 # #6
36 def factorial(n):
37 # if n==0:
38 # return 1
39 # ans=n*factorial(n-1)
40 # return ans
41 print (factorial(5))
42
43 # #7
44 # def number(d): #square of a number
45 # f=d**2
46 # print(f)
47 # number(7)
```

PROBLEMS OUTPUT TERMINAL PORTS

PS D:\Karka\python\day4\task> python program.py

Traceback (most recent call last):

File "D:\Karka\python\day4\task\program.py", line 33, in <module>

div(10/3)

TypeError: div() missing 1 required positional argument: 'b'

PS D:\Karka\python\day4\task> python program.py

3.3333333333333335

PS D:\Karka\python\day4\task>

Ln 41, Col 21 Spaces: 4 UTF-8 CRLF Python 3.13.5 64-bit

