

Task 2

The image displays two screenshots of the Visual Studio Code (VS Code) editor interface, showing the development of a Python script named `task3.py`.

Top Screenshot:

- Explorer:** The file explorer on the left shows the project structure. The file `task3.py` is selected under the `task` directory.
- Editor:** The main editor window shows the code for `task3.py`:

```
python > day3 > task > task3.py > ...
1 #1
2 a=55
3 b=33
4 print(a+b)
5
```
- Terminal:** The terminal at the bottom shows the execution of the script:

```
PS D:\karka> cd python
PS D:\karka\python> cd day3
PS D:\karka\python\day3> cd task
PS D:\karka\python\day3\task> python task3.py
88
PS D:\karka\python\day3\task>
```

Bottom Screenshot:

- Editor:** The code in `task3.py` has been modified:

```
5
6 #2
7 a=10
8 a+=a
9 print(a)
10 a-=a
11 print(a)
12
```
- Terminal:** The terminal shows an error when running the script:

```
print(b)
^
NameError: name 'b' is not defined
PS D:\karka\python\day3\task> python task3.py
20
0
Traceback (most recent call last):
  File "D:\karka\python\day3\task\task3.py", line 12, in <module>
    print(b)
    ^
NameError: name 'b' is not defined
PS D:\karka\python\day3\task> python task3.py
20
0
PS D:\karka\python\day3\task>
```

Task 2

The image displays two screenshots of a Visual Studio Code editor window, showing the development of a Python script named `task3.py`.

Top Screenshot:

- The **EXPLORER** sidebar shows the project structure with folders `python`, `day1`, `task`, `day2`, and `day3`. The file `task3.py` is selected under `day3`.
- The **EDITOR** pane shows the code for `task3.py` (lines 11-23):

```
python > day3 > task > task3.py > ...
11 print(a)
12
13 #3
14 a=30
15 a+=20
16 print(a)
17 a-=20
18 print(a)
19 a*=20
20 print(a)
21 a/=20
22 print(a)
23
```
- The **TERMINAL** pane shows the output of running `python task3.py` in a PowerShell session:

```
PS D:\karka\python\day3\task> python task3.py
20
0
PS D:\karka\python\day3\task> python task3.py
20
0
50
30
600
30.0
PS D:\karka\python\day3\task>
```

Bottom Screenshot:

- The **EXPLORER** sidebar shows the same project structure, with `task3.py` selected.
- The **EDITOR** pane shows the updated code for `task3.py` (lines 23-31):

```
python > day3 > task > task3.py
23
24
25 #4
26 print(20!=50)
27 print(30==50)
28 print(66<=50)
29 print(77>=39)
30 print(30<60)
31 print(40>30)
```
- The **TERMINAL** pane shows the output of running `python task3.py` in a PowerShell session:

```
50
30
600
30.0
PS D:\karka\python\day3\task> python task3.py
True
False
False
True
True
True
PS D:\karka\python\day3\task>
```

Task 2

The image displays two screenshots of the Visual Studio Code (VS Code) editor interface, showing the development and execution of a Python script named `task3.py`.

Top Screenshot:

- Explorer:** The file explorer on the left shows the project structure. The `task3.py` file is selected under the `task` directory.
- Editor:** The main editor window displays the code for `task3.py`. The code is as follows:

```
python > day3 > task > task3.py > ...
40 # r=30
41 # area=3.14*(r**2)
42 # print(area)
43
44 #4
```
- Terminal:** The terminal window at the bottom shows the command prompt output. It displays the command `python task3.py` being executed, followed by an error message: `C:\Users\ADMIN\AppData\Local\Programs\Python\Python313\python.exe: can't open file 'D:\karka\python\day3\task3.py': [Errno 2] No such file or directory`. The terminal also shows the command `cd task` and the command `python task3.py` being executed again.

Bottom Screenshot:

- Editor:** The main editor window displays the code for `task3.py`. The code is as follows:

```
38
39 # #3
40 # r=30
41 # area=3.14*(r**2)
42 # print(area)
43
44 #4
45 length=int(input("enter the length"))
46 width=int(input("enter the width"))
47 area=length*width
48 print(area)
49
```
- Terminal:** The terminal window at the bottom shows the command prompt output. It displays the command `python task3.py` being executed, followed by an error message: `2] No such file or directory`. The terminal also shows the command `cd task` and the command `python task3.py` being executed again. The output of the script is shown: `enter the length22`, `enter the width33`, and `726`.

Task 2

The image displays two screenshots of a Visual Studio Code editor window, showing the development of a Python script named `task3.py`.

Top Screenshot:

- File Explorer:** Shows the project structure with folders `python`, `day1`, `practice`, `task`, `day2`, and `task3.py`.
- Code Editor:** Displays the following Python code in `task3.py`:

```
python > day3 > task > task3.py > ...
43
44 # #4
45 # length=int(input("enter the length"))
46 # width=int(input("enter the width"))
47 # area=length*width
48 # print(area)
49
50 #5
51 base=int(input("enter the base"))
52 height=int(input("enter the height"))
53 area=((base*height)/2)
54 print(area)
55
```
- Terminal:** Shows the execution of the script:

```
PS D:\karka\python\day3\task> python task3.py
2826.0
PS D:\karka\python\day3\task> python task3.py
enter the length22
enter the width33
726
PS D:\karka\python\day3\task> python task3.py
enter the base
```

Bottom Screenshot:

- File Explorer:** Similar structure, but `task3.py` is highlighted.
- Code Editor:** Displays the following Python code in `task3.py`:

```
56 a=int(input("enter the number"))
57 b=int(input("enter the number"))
58 addition=a+b
59 subtraction=a-b
60 multiplication=a*b
61 divion=a/b
62 print(addition)
63 print(subtraction)
64 print(multiplication)
65 print(divion)
66
```
- Terminal:** Shows the execution of the script:

```
PS D:\karka\python\day3\task> python task3.py
enter the number2
enter the number3
5
-1
6
0.6666666666666666
PS D:\karka\python\day3\task>
```

Task 2

The image displays two screenshots of a Visual Studio Code editor window, showing the development of a Python script named `task3.py`.

Top Screenshot:

- EXPLORER:** Shows the file structure with `task3.py` selected under the `task` folder.
- EDITOR:** Displays the code for `task3.py` (lines 67-72):

```
67 #10
68 a=True
69 b=False
70 print(a and b)
71 print(b or b)
72 print(not a)
```
- TERMINAL:** Shows the execution of `python task3.py`. The output is:

```
# base=int(input("enter the base"))
ValueError: invalid literal for int() with base 10: ''
PS D:\karka\python\day3\task> python task3.py
enter the number2
enter the number3
5
-1
6
0.6666666666666666
PS D:\karka\python\day3\task> python task3.py
False
False
False
PS D:\karka\python\day3\task>
```

Bottom Screenshot:

- EXPLORER:** Shows the file structure with `task3.py` selected under the `task` folder.
- EDITOR:** Displays the code for `task3.py` (lines 74-79):

```
74 #13
75 a=10
76 b=30
77 c=12
78 d=3
79 print(((a+b)*c)/d)
```
- TERMINAL:** Shows the execution of `python task3.py`. The output is:

```
Traceback (most recent call last):
  File "D:\karka\python\day3\task\task3.py", line 79, in <module>
    print(((a+b)*c)/b)
TypeError: unsupported operand type(s) for /: 'NoneType' and 'int'
PS D:\karka\python\day3\task> python task3.py
480
Traceback (most recent call last):
  File "D:\karka\python\day3\task\task3.py", line 79, in <module>
    print(((a+b)*c)/d)
TypeError: unsupported operand type(s) for /: 'NoneType' and 'int'
PS D:\karka\python\day3\task> python task3.py
160.0
PS D:\karka\python\day3\task>
```

Task 2

The image displays two sequential screenshots of the Visual Studio Code (VS Code) editor interface, showing the development of a Python script named `task3.py`.

Top Screenshot:

- Explorer:** The file explorer on the left shows the project structure. The file `task3.py` is selected under the `task` folder.
- Editor:** The main editor window displays the code for `task3.py`. The code is as follows:

```
python > day3 > task > task3.py > ...  
#11  
a=10  
b=20  
print(a)  
print(b)  
temp=a  
a=b  
b=temp  
print(a)  
print(b)
```
- Terminal:** The terminal at the bottom shows the command `python task3.py` being executed, resulting in the output:

```
10  
20  
20  
20  
PS D:\karka\python\day3\task> python task3.py  
10  
20  
20  
10  
PS D:\karka\python\day3\task>
```

Bottom Screenshot:

- Editor:** The code in `task3.py` has been updated to include an input prompt and a syntax error has been identified and corrected. The code is as follows:

```
88 # b=temp  
89 # print(a)  
90 # print(b)  
91  
92 #12  
  
PS D:\karka\python\day3\task> python task3.py  
File "D:\karka\python\day3\task\task3.py", line 93  
a=int(input(enter the value:))  
          ^^^^^^^^^  
SyntaxError: invalid syntax. Perhaps you forgot a comma?  
PS D:\karka\python\day3\task> python task3.py  
enter the value:6  
enter the value:7  
enter the value:8  
7.0  
PS D:\karka\python\day3\task>
```
- Terminal:** The terminal shows the command `python task3.py` being executed, resulting in the output:

```
10  
PS D:\karka\python\day3\task> python task3.py  
File "D:\karka\python\day3\task\task3.py", line 93  
a=int(input(enter the value:))  
          ^^^^^^^^^  
SyntaxError: invalid syntax. Perhaps you forgot a comma?  
PS D:\karka\python\day3\task> python task3.py  
enter the value:6  
enter the value:7  
enter the value:8  
7.0  
PS D:\karka\python\day3\task>
```

Task 2

