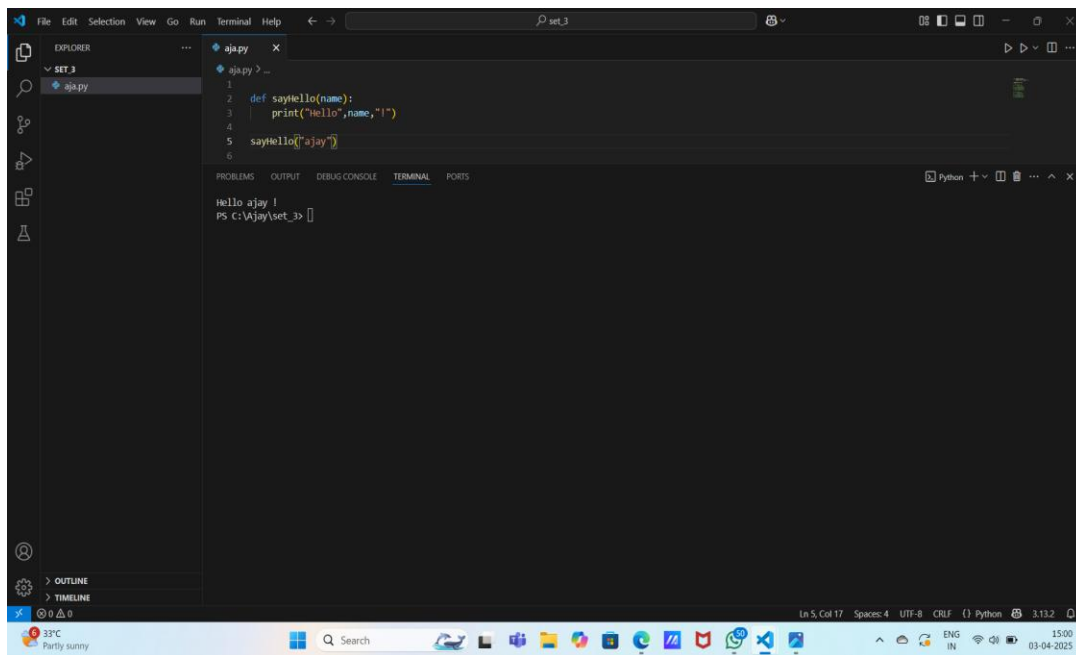


## QUESTION 1



The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a project named 'set\_3' containing a file 'aja.py'. The editor window displays the following Python code:

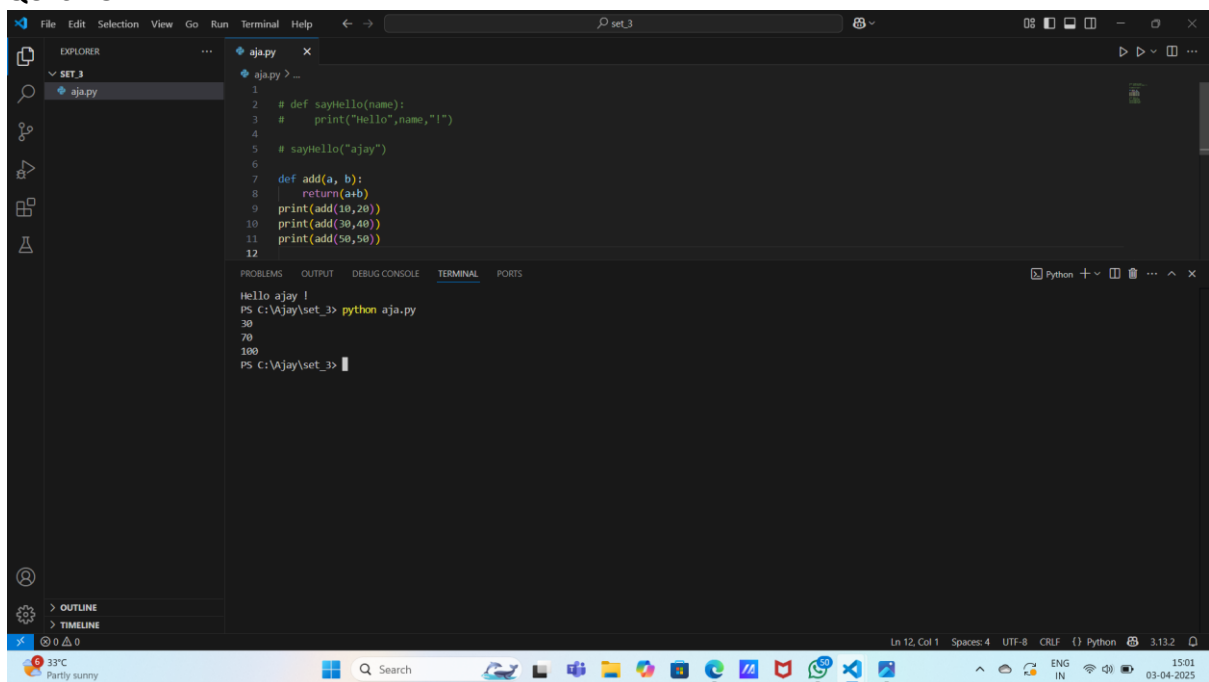
```
1  
2 def sayHello(name):  
3     print("Hello",name,"!")  
4  
5 sayHello("ajay")  
6
```

The TERMINAL pane at the bottom shows the output of running the script:

```
Hello ajay !  
PS C:\ajay\set_3>
```

The status bar at the bottom indicates the file is at Line 5, Column 17, using UTF-8 encoding with CRLF line endings. The system tray shows a temperature of 33°C and the date 03-04-2025.

## QUESTION2



The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a project named 'set\_3' containing a file 'aja.py'. The editor window displays the following Python code:

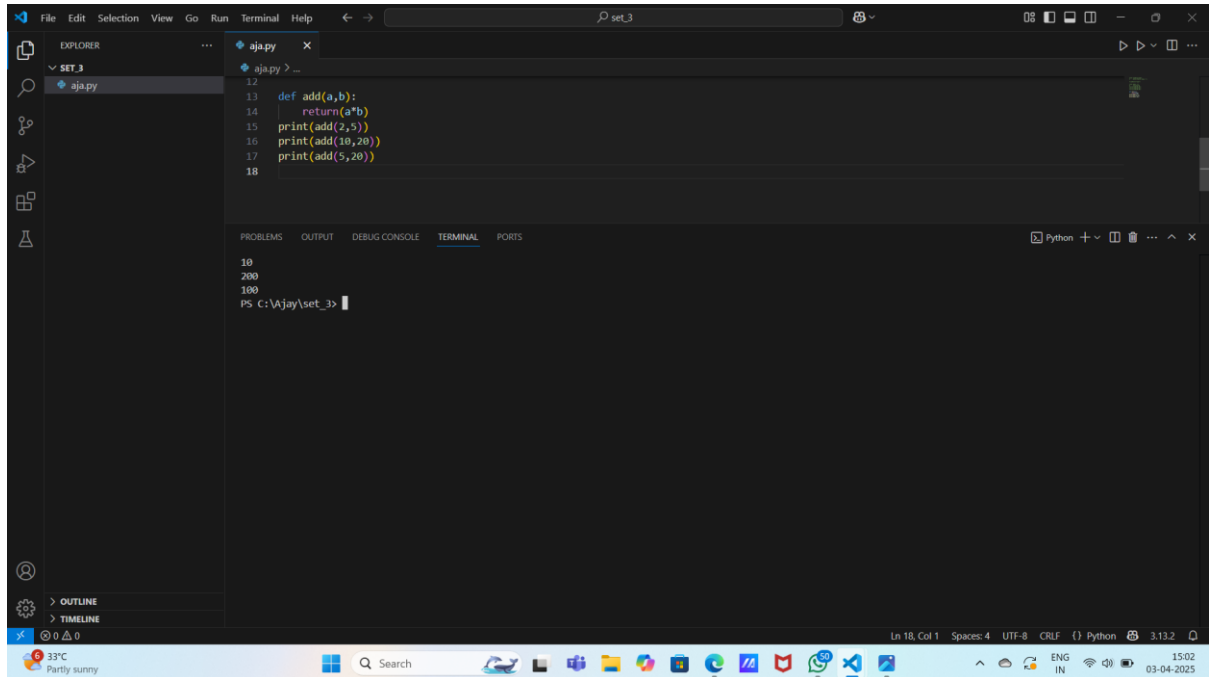
```
1  
2 # def sayHello(name):  
3 #     print("Hello",name,"!")  
4  
5 # sayHello("ajay")  
6  
7 def add(a, b):  
8     return(a+b)  
9 print(add(10,20))  
10 print(add(30,40))  
11 print(add(50,50))  
12
```

The TERMINAL pane at the bottom shows the output of running the script:

```
Hello ajay !  
PS C:\ajay\set_3> python aja.py  
30  
70  
100  
PS C:\ajay\set_3>
```

The status bar at the bottom indicates the file is at Line 12, Column 1, using UTF-8 encoding with CRLF line endings. The system tray shows a temperature of 33°C and the date 03-04-2025.

### QUESTION3



The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a project named 'SET\_3' containing a file 'aja.py'. The main editor window displays the code for 'aja.py':

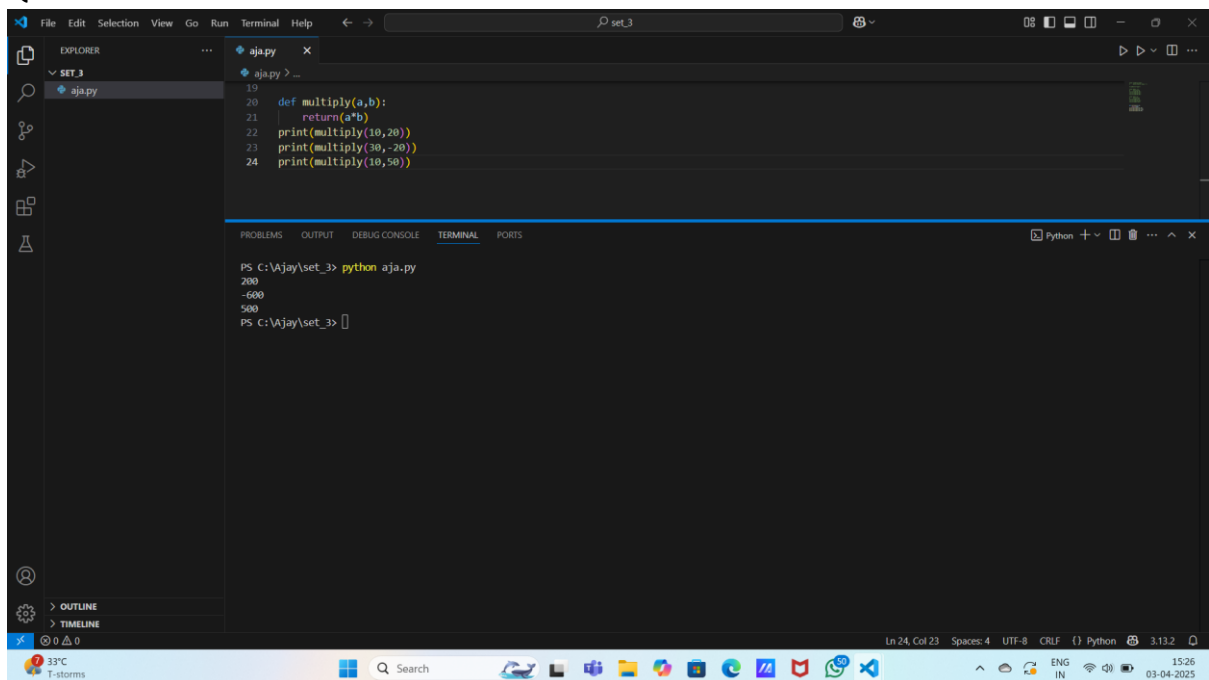
```
12
13 def add(a,b):
14     return a+b
15 print(add(2,5))
16 print(add(10,20))
17 print(add(5,20))
18
```

Below the code editor, the TERMINAL pane is active, showing the output of the script:

```
10
200
100
PS C:\Ajay\set_3>
```

The status bar at the bottom indicates the file is at Line 18, Column 1, using UTF-8 encoding with CR/LF line endings. The system tray shows a temperature of 33°C and 'Partly sunny' weather.

### QUESTION4



The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a project named 'SET\_3' containing a file 'aja.py'. The main editor window displays the code for 'aja.py':

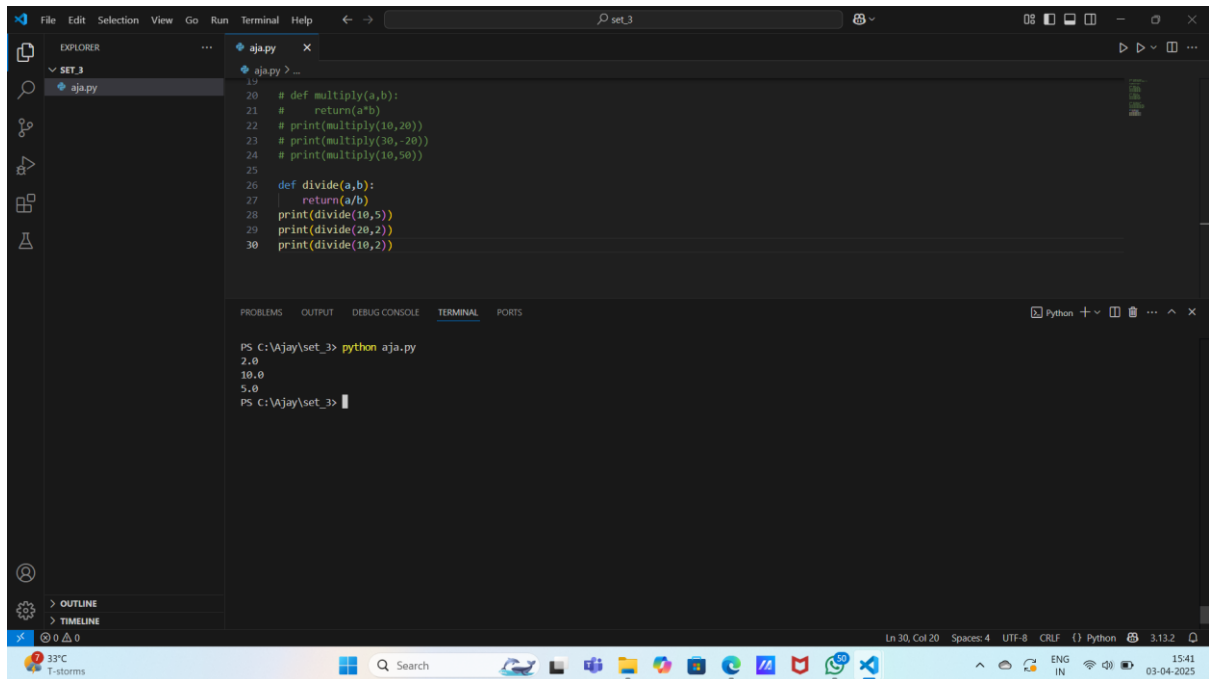
```
19
20 def multiply(a,b):
21     return a*b
22 print(multiply(10,20))
23 print(multiply(30,-20))
24 print(multiply(10,50))
```

Below the code editor, the TERMINAL pane is active, showing the output of the script after running the command 'python aja.py':

```
200
-600
500
PS C:\Ajay\set_3>
```

The status bar at the bottom indicates the file is at Line 24, Column 23, using UTF-8 encoding with CR/LF line endings. The system tray shows a temperature of 33°C and 'T-storms' weather.

## QUESTION 5



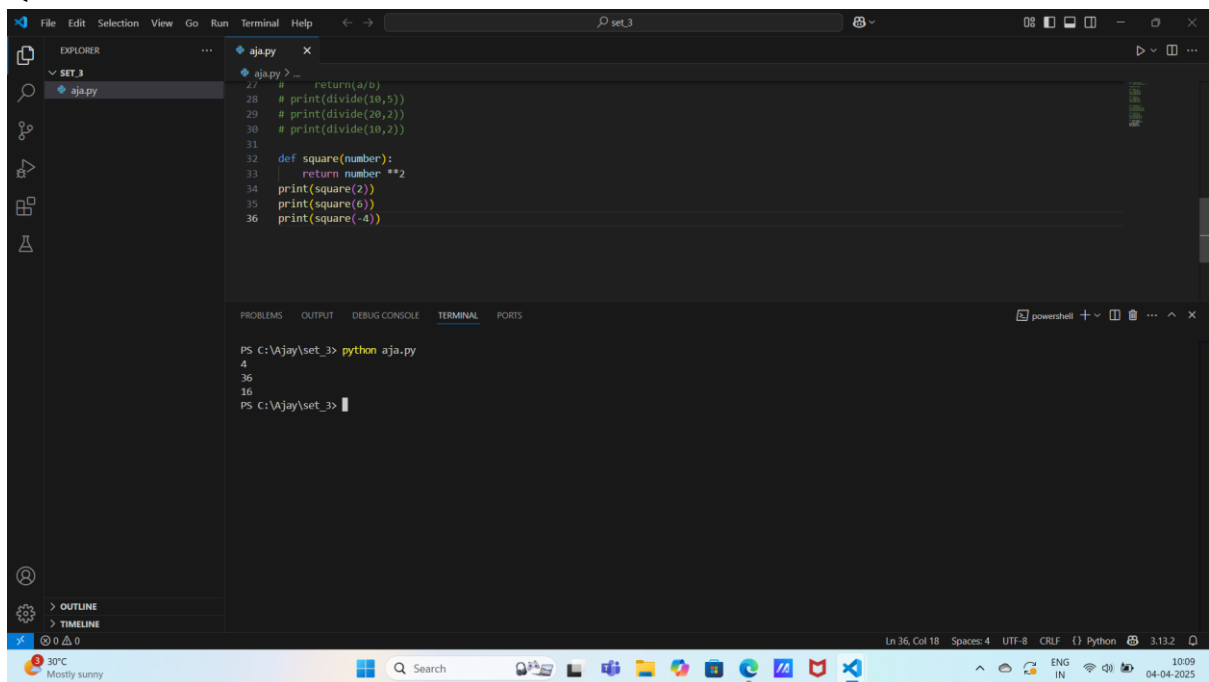
The screenshot shows the Visual Studio Code editor with a file named `aja.py` open. The file contains the following Python code:

```
19 # def multiply(a,b):
20 #     return(a*b)
21 # print(multiply(10,20))
22 # print(multiply(30,-20))
23 # print(multiply(10,50))
24
25 def divide(a,b):
26     return(a/b)
27 print(divide(10,5))
28 print(divide(20,2))
29 print(divide(10,2))
```

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

```
PS C:\Vjay\set_3> python aja.py
2.0
10.0
5.0
PS C:\Vjay\set_3>
```

## QUESTION 7



The screenshot shows the Visual Studio Code editor with a file named `aja.py` open. The file contains the following Python code:

```
27 # return(a/b)
28 # print(divide(10,5))
29 # print(divide(20,2))
30 # print(divide(10,2))
31
32 def square(number):
33     return number **2
34 print(square(2))
35 print(square(6))
36 print(square(-4))
```

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

```
PS C:\Vjay\set_3> python aja.py
4
36
16
PS C:\Vjay\set_3>
```