



DAY-3 ASSIGNMENT

Q.1 What is the output of the expression `print(-18 // 4)` ?

A screenshot of a Python IDE interface. The top pane shows a file named 'Assignment_3.py' with the following code:

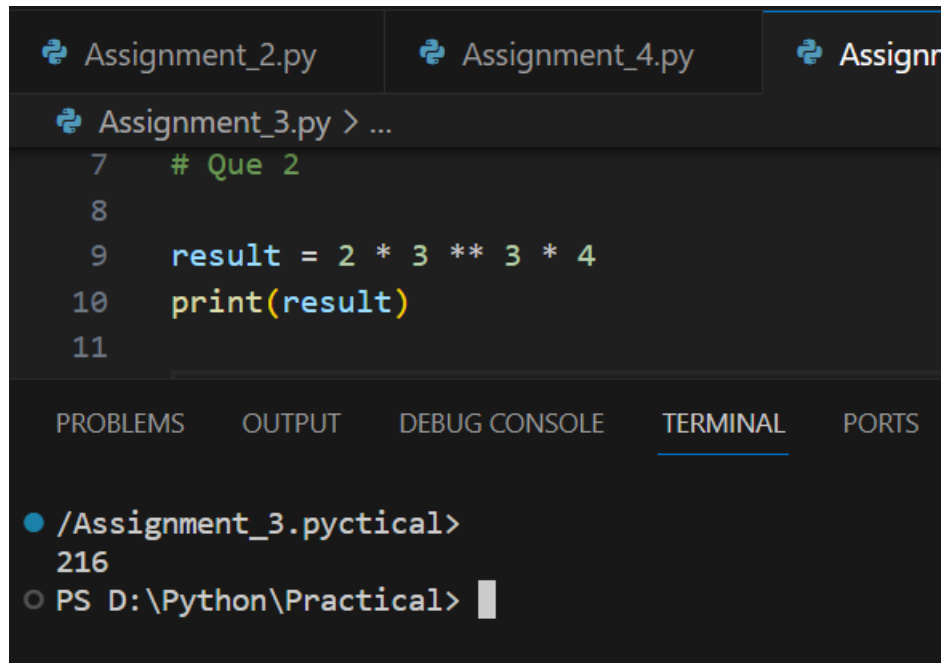
```
1 result = -18 // 4
2 print(result)
3
```

The bottom pane shows the 'TERMINAL' output, which displays the command to run the script and its output:

```
PS D:\Python\Practical> & C:/Users/Rutvik/AppData/Local/Programs/Python/Python310/python.exe d:/Python/Practical/Assignment_3.py
-5
PS D:\Python\Practical>
```

```
Assignment_2.py Assignment_4.py Assignment_3.py X Mini_Project_1.py Game.py
Assignment_3.py > ...
1 result = -18 // 4
2 print(result)
3
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS D:\Python\Practical> & C:/Users/Rutvik/AppData/Local/Programs/Python/Python310/python.exe d:/Python/Practical/Assignment_3.py
-5
PS D:\Python\Practical>
```

Q.2 What is the output of `print(2 * 3 ** 3 * 4)` ?



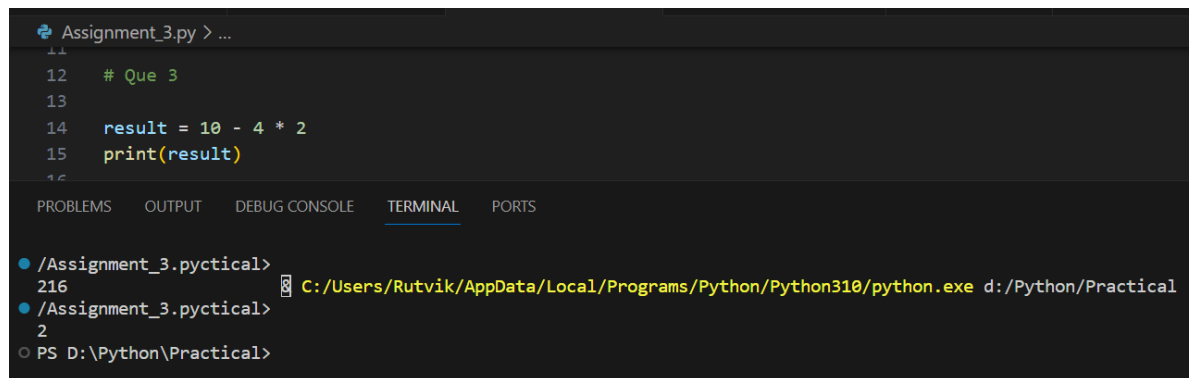
The image shows a screenshot of a Python IDE interface. At the top, there are three tabs: 'Assignment_2.py', 'Assignment_4.py', and 'Assignment_3.py'. The 'Assignment_3.py' tab is active, showing a Python script with the following code:

```
7  # Que 2
8
9  result = 2 * 3 ** 3 * 4
10 print(result)
11
```

Below the code editor, there is a panel with tabs for 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', 'TERMINAL', and 'PORTS'. The 'TERMINAL' tab is selected, displaying the execution output:

```
● /Assignment_3.pyctical>
  216
○ PS D:\Python\Practical>
```

Q. 3 What is the output of `print(10 - 4 * 2)` ?



The image shows a screenshot of a code editor with a dark theme. The top part displays a Python script named 'Assignment_3.py'. The script contains the following code:

```
12 # Que 3
13
14 result = 10 - 4 * 2
15 print(result)
```

Below the code editor, there is a terminal window with tabs for 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', 'TERMINAL', and 'PORTS'. The 'TERMINAL' tab is active, showing the execution of the script. The output is as follows:

```
• /Assignment_3.pyctical>
216 C:/Users/Rutvik/AppData/Local/Programs/Python/Python310/python.exe d:/Python/Practical
• /Assignment_3.pyctical>
2
○ PS D:\Python\Practical>
```

Q. 4 Write a python program to find minimum of two numbers. Ask numbers from user.

```
Assignment_3.py > ...
17  # Que 4
18
19  num1 = float(input("Enter the first number: "))
20  num2 = float(input("Enter the second number: "))
21
22  minimum = min(num1, num2)
23
24  print("The minimum of", num1, "and", num2, "is:", minimum)
25
26
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
● PS D:\Python\Practical> & C:/Users/Rutvik/AppData/Local/Programs/Python/Python310/python.exe d:/Python/Practical
/Assignment_3.py
Enter the first number: 22
Enter the second number: 21
The minimum of 22.0 and 21.0 is: 21.0
○ PS D:\Python\Practical> 
```

Q. 5 Write a python program to convert temperature from Celsius to Fahrenheit. Ask Celsius from User

```
Assignment_3.py > ...
25
26 # Que 5
27
28 celsius = float(input("Enter the temperature in Celsius: "))
29
30 fahrenheit = (celsius * 9/5) + 32
31
32 print("Temperature in Fahrenheit:", fahrenheit)
33
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
● PS D:\Python\Practical> & C:/Users/Rutvik/AppData/Local/Programs/Python/Python310/python.exe d:/Python/Practical
/Assignment_3.py
Enter the temperature in Celsius: 37
Temperature in Fahrenheit: 98.6
○ PS D:\Python\Practical> █
```

Q. 6 Ask 3 numbers from User and Calculate the Average.

```
Assignment_3.py > ...
34 # Que 6
35
36 num1 = float(input("Enter the first number: "))
37 num2 = float(input("Enter the second number: "))
38 num3 = float(input("Enter the third number: "))
39
40 average = (num1 + num2 + num3) / 3
41
42 print("The average of", num1, ", ", num2, ", and", num3, "is:", average)
43
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Temperature in Fahrenheit & C:/Users/Rutvik/AppData/Local/Programs/Python/Python310/python.exe d:/Python/Practical
● /Assignment_3.pyctical>
Enter the first number: 21
Enter the second number: 22
Enter the third number: 8
The average of 21.0 , 22.0 , and 8.0 is: 17.0
○ PS D:\Python\Practical> █

Q. 7 Ask number of games played in a tournament. Ask the user number of games won and number of games loss. Calculate number of tie and total Points. (1 win= 4 points, 1 tie =2 points)

```
Assignment_3.py > ...
45  # Que 7
46
47  games_played=int(input("Enter games played = "))
48  games_won=int(input("Enter games won = "))
49  games_lost=int(input("Enter games lost = "))
50
51  games_tie=games_played-games_won-games_lost
52
53  points=(games_won*4)+(games_tie*2)
54
55  print(f"Games tied = {games_tie}")
56  print(f"Your team scored = {points}")
57

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

The average of 21.0 , 22& C:/Users/Rutvik/AppData/Local/Programs/Python/Python310/python.exe d:/Python/Practical
● /Assignment_3.pyctical>
Enter games played = 4
Enter games won = 3
Enter games lost = 0
Games tied = 1
Your team scored = 14
○ PS D:\Python\Practical> 
```