

Name

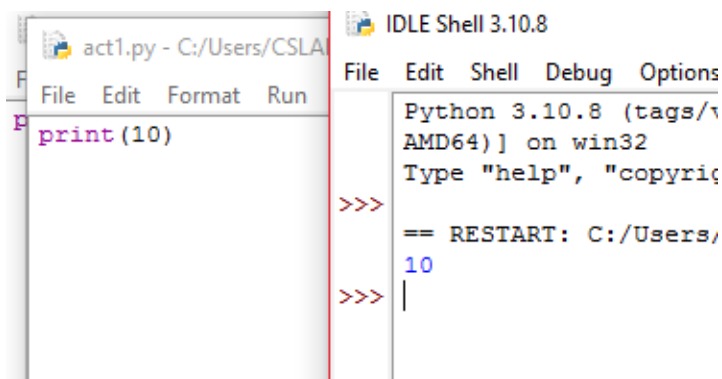
Ahsan Muneeb

Reg no

Fa20-BSE-041

ACTIVITY1

Display numbers on screen using Python IDLE

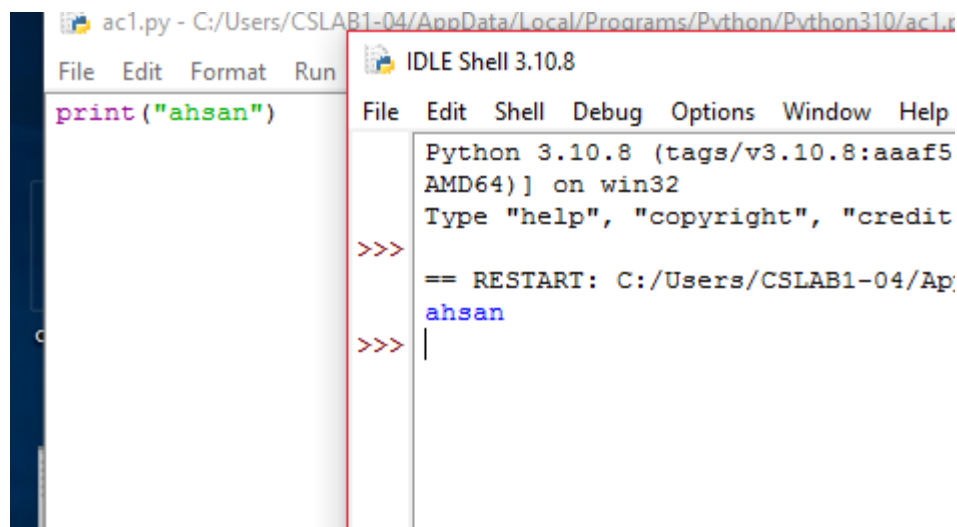


The screenshot shows the Python IDLE Shell 3.10.8 interface. The left pane displays a file named 'act1.py' with the code `print(10)`. The right pane shows the shell output, which includes the Python version and architecture information, followed by the prompt `>>>`. The output of the script is `10`, displayed in blue text.

```
Python 3.10.8 (tags/v3.10.8:aaaf5  
AMD64)] on win32  
Type "help", "copyright", "credit"  
>>> == RESTART: C:/Users/  
10  
>>> |
```

ACTIVITY2

Display strings on screen.

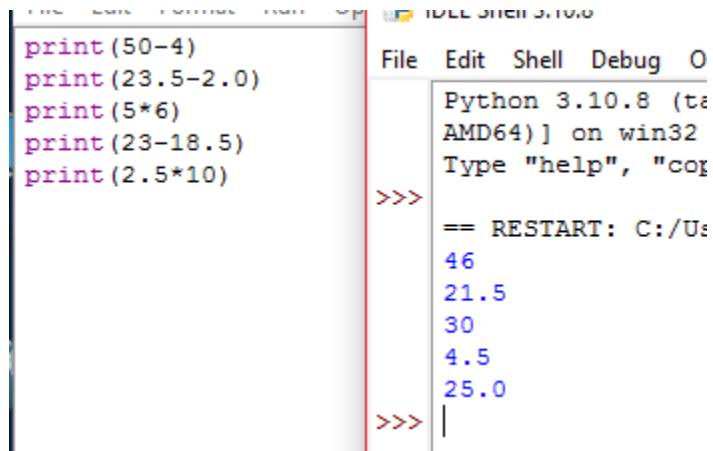


The screenshot shows the Python IDLE Shell 3.10.8 interface. The left pane displays a file named 'ac1.py' with the code `print("ahsan")`. The right pane shows the shell output, which includes the Python version and architecture information, followed by the prompt `>>>`. The output of the script is `ahsan`, displayed in blue text.

```
Python 3.10.8 (tags/v3.10.8:aaaf5  
AMD64)] on win32  
Type "help", "copyright", "credit"  
>>> == RESTART: C:/Users/CSLAB1-04/Ap  
ahsan  
>>> |
```

ACTIVITY3

Use Python as a calculator.



The screenshot shows the Python IDLE Shell 3.10.8 interface. The left pane contains the following code:

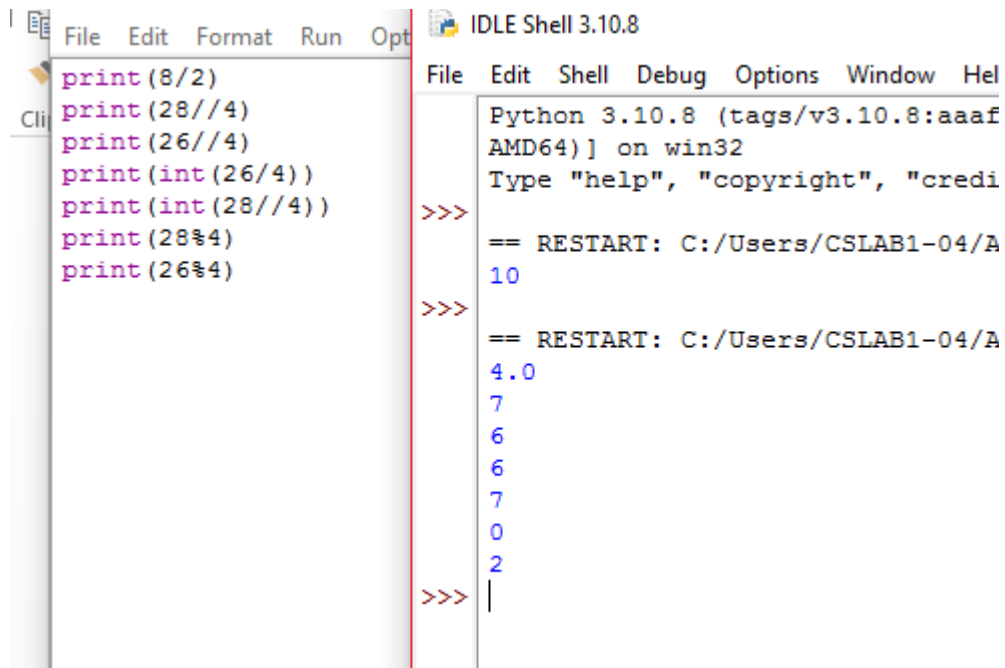
```
print(50-4)
print(23.5-2.0)
print(5*6)
print(23-18.5)
print(2.5*10)
```

The right pane shows the shell output after execution:

```
>>>
== RESTART: C:/Users/CSLAB1-04/A
46
21.5
30
4.5
25.0
>>> |
```

ACTIVITY4

Get an integer answer from division operation. Also get remainder of a division operation in the output.



The screenshot shows the Python IDLE Shell 3.10.8 interface. The left pane contains the following code:

```
print(8/2)
print(28//4)
print(26//4)
print(int(26/4))
print(int(28//4))
print(28%4)
print(26%4)
```

The right pane shows the shell output after execution:

```
>>>
== RESTART: C:/Users/CSLAB1-04/A
10
>>>
== RESTART: C:/Users/CSLAB1-04/A
4.0
7
6
6
7
0
2
>>> |
```

ACTIVITY5

Calculate 4^3 , 4^{10} , 4^{29} , 4^{150} , 4^{1000}

```
File Edit Format Run Options IDLE Shell 3.10.8
print(4**3)
print(4**10)
print(4**29)
print(4**150)
print(4**1000)
>>>
Python 3.10.8 (tags/v3.10.8:aaaf517, Oct 11 2022, 16:50:30) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
== RESTART: C:/Users/CSLAB1-04/AppData/Local/Programs/Python/Python310/ac5.py ==
64
1048576
288230376151711744
20370359763344860862684456884093781610514683936659362506361404493543812997633367
06183397376
1606938044258990275541962092341162602522202993782792835301376
>>> |
```

ACTIVITY6

Write following math expressions. Solve them by hand using operators' precedence. Calculate their answers using Python. Match the results.

```
File Edit Format Run Options Window File Edit Shell Debug Options Wind
print(2+3*6)
print((2+3)*6)
print(48565878*578453)
print(2+2)
print((5-1)*((7+1)/(3-1)))
print(5+7)
print(6.5+7)
print(7.42+5**2)
>>>
Python 3.10.8 (tags/v3.10.
AMD64)] on win32
Type "help", "copyright",
>>>
== RESTART: C:/Users/CSLAE
20
30
28093077826734
4
16.0
12
13.5
32.42
>>> |
```

ACTIVITY7

Combine numbers and text.

File Edit Format Run Options Window Help	File Edit Shell Debug Options Window Help
<pre>x="nancy" print(x) s="my lucky number is %d,what is yours?" % 7 print(s)</pre>	<pre>Python 3.10.8 (tags/v3.10.8:aaaf517, Oc AMD64)] on win32 Type "help", "copyright", "credits" or >>> == RESTART: C:/Users/CSLAB1-04/AppData/ nancy my lucky number is 7,what is yours? >>> </pre>

ACTIVITY8

Take input from the keyboard and use it in your program.

File Edit Format Run Options Window Help	File Edit Shell Debug Options Window Help
<pre>name=input("what is your name") print('hello ' +name) job=input("what is your job") print('your job is ' +job) num=input("what is your num") print('you said ' +num)</pre>	<pre>Python 3.10.8 (tags/v3.10.8:aaaf517, Oct 11 2022, AMD64)] on win32 Type "help", "copyright", "credits" or "license()" >>> = RESTART: C:/Users/CSLAB1-04/AppData/Local/Progra what is your name ahsan hello ahsan what is your job student your job is student what is your num 80 you said 80 >>> </pre>