

ASSIGNMENT -1

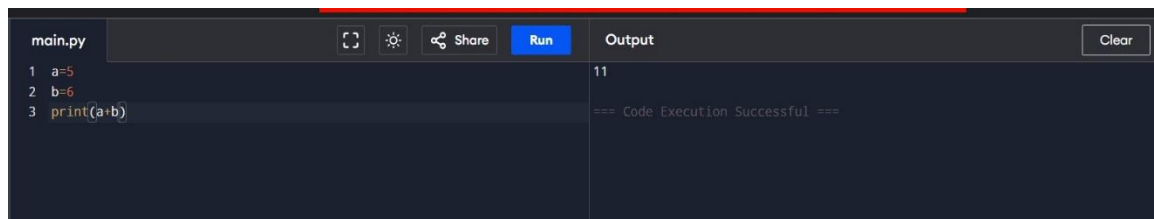
Arithmetic operations& variable Assignment

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1): A variable is a name used to store a value in a program.

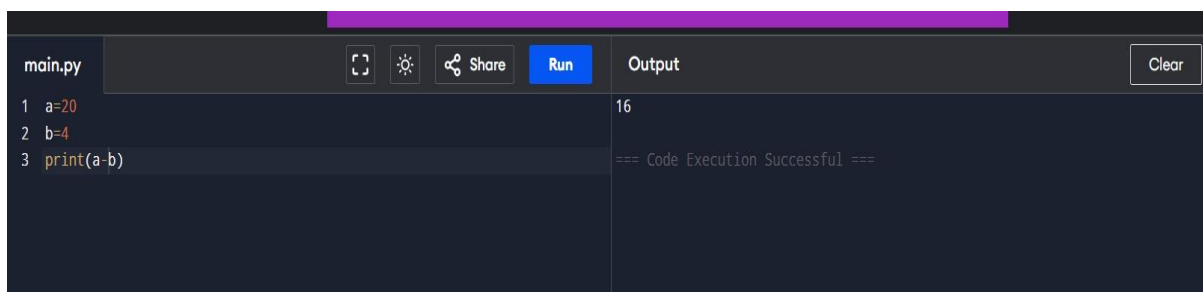
It's called a variable because the value it holds can change while the program runs.

They are called variables because their values can change or vary while the program runs.



The screenshot shows a code editor with a dark theme. The left pane is titled 'main.py' and contains three lines of Python code: `1 a=5`, `2 b=6`, and `3 print(a+b)`. The right pane is titled 'Output' and shows the result of the execution: `11` followed by `=== Code Execution Successful ===`. Above the code editor, there are icons for full screen, settings, and share, along with a blue 'Run' button and a 'Clear' button in the output pane.

2)



The screenshot shows a code editor with a dark theme. The left pane is titled 'main.py' and contains three lines of Python code: `1 a=20`, `2 b=4`, and `3 print(a-b)`. The right pane is titled 'Output' and shows the result of the execution: `16` followed by `=== Code Execution Successful ===`. Above the code editor, there are icons for full screen, settings, and share, along with a blue 'Run' button and a 'Clear' button in the output pane.

3)

main.py	Output
<pre>1 a = 5 2 b = 3 3 c = a * b 4 print("a =", a) 5 print("b =", b) 6 print("c =", c) 7</pre>	<pre>a = 5 b = 3 c = 15 === Code Execution Successful ===</pre>

4)

main.py	Output
<pre>1 a=10 2 b=3 3 print(a/b) 4 print(a//b)</pre>	<pre>3.3333333333333335 3 === Code Execution Successful ===</pre>

5)

main.py	Output
<pre>1 a=17 2 b=4 3 print(a//b)</pre>	<pre>4 === Code Execution Successful ===</pre>

6)

main.py	Output
<pre>1 a=25 2 b=6 3 print(a*b)</pre>	<pre>1 === Code Execution Successful ===</pre>

7)

main.py	Output
<pre>1 a = 5 2 b = 3 3 square =(a**b) 4 print(square) 5</pre>	<pre>125 === Code Execution Successful ===</pre>

8)

main.py	Output
<pre>1 x = 4 2 y = 8 3 z = 10 4 average = (x + y + z) / 3 5 print("Average:", average) 6</pre>	<pre>Average: 7.333333333333333 === Code Execution Successful ===</pre>

9)

main.py	Output
<pre>1 num = 9 2 cube = num ** 3 3 print(cube)</pre>	<pre>729 === Code Execution Successful ===</pre>

10)

main.py	Output
<pre>1 length=6 2 width=8 3 area=length *width 4 print(area)</pre>	<pre>48 === Code Execution Successful ===</pre>

11)

main.py	Output
<pre>1 total_marks=450 2 obtained_marks=375 3 percentage=(obtained_marks/total_marks)*100 4 print(percentage)</pre>	<pre>83.33333333333334 === Code Execution Successful ===</pre>

13)

main.py	Output
<pre>1 a=25 2 b=6 3 print(a*b) 4 print(a+b) 5 print(a/b) 6 b=35 7 print(a-b)</pre>	<pre>150 31 4.166666666666667 -10 === Code Execution Successful ===</pre>