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main.py

Run

Output

Clear

```
1
2 #program to check if the number is even or odd
3
4 num = int(input('enter a number:'))
5 if(num%2)==0:
6     print("{0} is even".format(num))
7 else:
8     print("{0} is odd".format(num))
9
10
11
12
13
14
15
16
17
18
```

```
enter a number:10
10 is even

=== Code Execution Successful ===
```

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Output

Clear

```
1
2 num1 = 1.5
3 num2 = 6.5
4
5 sum = num1+num2
6
7 print('The sum of {0} and {1} is {2}'.format(num1,num2,sum))
8
9
10
11
```

```
The sum of 1.5 and 6.5 is 8.0

=== Code Execution Successful ===
```

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```
1 # Python ifelse statement
2
3 number = int(input('Enter a number:'))
4
5 if number>0:
6     print('Positive number')
7 else:
8     print('not a positive number')
9
10 print(' This statement always executes')
11
12
13
14
```

Output

Enter a number:8  
Positive number  
This statement always executes  
  
=== Code Execution Successful ===

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Output

Clear

```
1 # Python if statement
2
3 x=1
4 total=0
5 # start of the if statement
6 if x!=0:
7     total+= x # total = total + x = 0+1
8     print(total)
9 #end of the if statement
10
11 print('This is always executed')
12
13
14
15
16
```

```
1
This is always executed

=== Code Execution Successful ===
```

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```
1 # Python if statement
2
3 x=1
4 total=0
5 # start of the if statement
6 if x!=0:
7     total+= x
8     print(total)
9 #end of the if statement
10
11 print('This is always executed')
12
13
14
15
16
```

Output

Clear

1  
This is always executed  
  
=== Code Execution Successful ===

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```
1 # Python if statement
2
3 number = int(input('Enter a number:'))
4
5 if number > 0:
6     print(f'{number} is a positive number')
7
8 print('Statement outside the if condition')
9
10
11
12
13
```

Output

Enter a number:4  
4 is a positive number  
Statement outside the if condition  
  
=== Code Execution Successful ===

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```
1 # Membership Operators
2
3 String = 'Hello world'
4 dict = { 1:'a', 2:'b'}
5
6 print('H' in String)
7
8 print('hello' not in String)
9
10 print('b' in dict)
11
12
13
14
```

Output

True
True
False

=== Code Execution Successful ===

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Run

Output

Clear

```
1 # Identity Operators
2
3 a = 5 # assign 10 to a
4
5 b = 5
6
7 print( a is not b)
8 print(a is b)
9
10
11
```

```
False
True

=== Code Execution Successful ===
```

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A screenshot of a Mac OS desktop. The top of the screen shows a status bar with text: "Slide 24 of 27", "English (United States)", "Accessibility: Investigate", "Comments", and a zoom level of "106%". Below the status bar is the dock, which contains the following application icons from left to right: Finder, Launchpad, Google Chrome, Safari, Messages, Mail, App Store, Photos, Video Player, Calendar (showing "AUG 13"), Reminders, Notes, System Preferences, Apple TV, Music, Podcasts, Keynote, Numbers, Pages, App Store, System Preferences (with a red notification badge), Microsoft Excel, Microsoft Word, Microsoft PowerPoint, Microsoft OneNote, Microsoft Word, and a Trash can icon.

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```
1 a = 7
2 b = 3
3
4 #addition
5 print('Sum:', a + b)
6
7 #subtraction
8 print('Subtraction:', a - b)
9
10 print('Multiplication:', a * b)
11
12 print('Division:', a / b)
13
```

Output

Clear

Sum: 10  
Subtraction: 4  
Multiplication: 21  
Division: 2.3333333333333335  
  
=== Code Execution Successful ===

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