**A.**

In [7]: first=7

In [8]: second=44.3

In [9]: first+second

Out[9]: 51.3

In [10]: first\*second

Out[10]: 310.09999999999997

In [11]: second/first

Out[11]: 6.328571428571428

**B.**

a=9, b=8, c=15

In [20]: a,b,c

Out[20]: (9, 8, 15)

**C.**

C. 1. Both “john” and ‘john’ are str (string) type

C. 2

In [4]: my\_num=5+5

In [5]: print("my result is: "+my\_num)

---------------------------------------------------------------------------

TypeError Traceback (most recent call last)

<ipython-input-5-d86c1dcd31e9> in <module>

----> 1 print("my result is: "+my\_num)

TypeError: can only concatenate str (not "int") to str

**We cannot combine string and int**

**Solutions:**

In [6]: print("my result is: ", my\_num)

my result is: 10

--------------------------------------------------

In [25]: print("my result is: " + str(my\_num))

my result is: 10

--------------------------------------------------

In [27]: txt="my result is: {}"

In [28]: print(txt.format(my\_num))

my result is: 10

**D.**

In [29]: x=5

In [30]: y=2.36

In [31]: print(x+int(y)) 🡪 **cast y to integer**

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**E.**

In [1]: x=5

In [2]: y=10

In [3]: if x>y:

...: print("BIG")

...: else:

...: print("small")

...:

small

**F.**

In [8]: if x==1:

In [9]: if x==1:

...: print("summer")

...: elif x==2:

...: print("winter")

...: elif x==3:

...: print("fall")

...: else:

...: print("spring")

...:

Spring

**CHALLENGE:**

In [10]: a=8

In [11]: b="123"

In [12]: print(a+int(b))

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**Extra:**

In [13]: var1=5

In [14]: var2="5"

In [15]: res=var1==var2

In [16]: res

Out[16]: False

In [18]: sum=var1+int(var2)

In [19]: sum

Out[19]: 10

In [20]: 5>5.5

Out[20]: False

In [21]: True==False

Out[21]: False

In [22]: "hello">"helloo"

Out[22]: False