Assignment-1

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1What will be the output after the following statements are executed?

```
X=50
Y=7
X%=Y
print(X)
```

a.   1
b.   2
c.   3
d.   4

Ans: 1 (X%=Y →X=X%Y →50%7=1)

1. Variable a is defined as a= "wElcoMe to dAta sCience", command to convert that to all uppercases
   a.   a.upper()
   b.   a.lower()
   c.   a.title()
   d.   a.string()
   Ans: a.title

2. Write a python program that does
   i.   Create a variable and store an integer value in it
   ii.   Create a variable and stores a float value in it.
   iii.   Use the division operator to divide the above variables and store the result into another variable Z.
   iv.   Print Z along with its data type

   Ans:
   int X=15
   float Y=3
   z=X/Y
   print(Z)
   Print(type(Z))

3. Write a python code to perform
   i.   Create a list
   ii.   Adding a new number to the list
   iii.   Removing a number from the list
   iv.   Print the 1st three numbers of the list
   v.   Reverse the list and display it
   vi.   Find and print the final length of the list

   Ans:
   nums = [10, 20, 30, 40, 50]   #creating a list named nums
   nums.append(60)   #adding 60 to the list
   nums.remove(30)   #removes 30 from the list
   print(nums[:3])   #prints the 1st three numbers
   num.revers()
   print(nums)   #printing the reversed list
   print(len(nums))   #prints the final length of the list which is 5