 Data Structures and Algorithm | Jan 2021​

# Assignment 3 | 20th January 2021

**For any doubts regarding the assignment, ask questions in the** [**Dat**](https://community.letsupgrade.in/group/dsaes0121b2)​ [**a**](https://community.letsupgrade.in/group/dsaes0121b2)

[**Structures and Algorithms**](https://community.letsupgrade.in/group/dsaes0121b2) **Group**​ ​ **in the Community.**​

**Submit Assignments by** ​ **26**​ **th January 2021 11:59 PM**

## Assignment Submit Form: [https://forms.gle/bJBQwoRVk4P8SR4T](https://forms.gle/bJBQwoRVk4P8SR4T8)​ [8](https://forms.gle/bJBQwoRVk4P8SR4T8)

**Submit assignments in Appropriate Dropdowns.**

### Question 1

Write a Python program to add two numbers using class and object. (Take both numbers as input from the user)

### Answer:

### class Test:

### def findsum(self, a, b):

### s = a + b

### return s

### a = int(input("Enter first number: "))

### b = int(input("Enter second number: "))

### obj = Test()

### s = obj.findsum(a, b)

### print("Sum is:",s)

### Output:

Enter first number: 2

Enter second number: 3

Sum is: 5

### Question 2

Define a function swap that should swap two values and print the swapped variables outside the swap function.

### Answer:

def swap(a, b):

t = a

a = b

b = t

return a, b

a = int(input("Enter the value of a: "))

b = int(input("Enter the value of b: "))

a, b = swap(a, b)

print("After Swapping: a = ",a)

print("After Swapping: b = ",b)

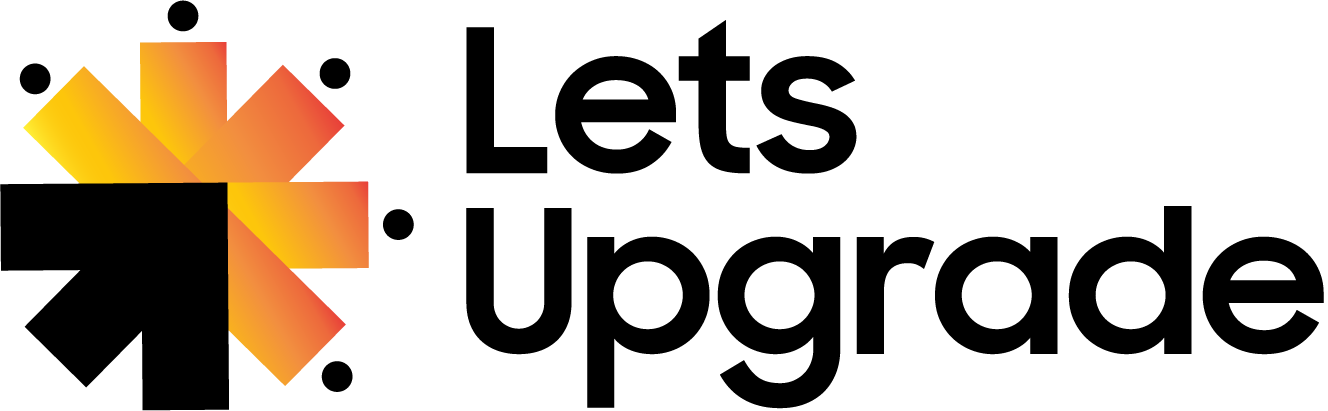
### Output:

Enter the value of a: 2

Enter the value of b: 3

After Swapping: a = 3

After Swapping: b = 2

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## FAQs

**Q. When do I submit the Assignments and how?**

1. The assignments for the week should be submitted by 26th January 2021 i.e.Tuesday 11:59 PM IST.
2. You need to submit the answers in Document Format

**Q. Where do I get class links for the next session?**

1. All sessions will be Live on our Youtube Channel. Subscribe to LetsUpgrade​​[YouTube Channel](https://www.youtube.com/channel/UCWUDiLzQZr4VDHNyMsVYn-g)​[.](https://www.youtube.com/channel/UCWUDiLzQZr4VDHNyMsVYn-g)

You'll also get an email with the link to the live session.

1. It will be also updated in the Community Group in the pinned post.

**Q. I have some doubt, who do I ask?**

A. Post your Queries on the community, someone will help you out.

**Q. How can we know if my assignment is verified or not? And is it successfully submitted or not?**

A. You will receive a mail for your successful submission.