

LetsUpgrade Data Structure and Algorithm Essentials

Assignment 3 | 20th January 2021

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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