**Q. No. 1 :**

***Input****: str = "Hello, Python"*

***Output****: "olleH, nohtyP"*

# Answer:

n = input(“Give input:”)  
 def reverse(n):  
 result = n.split(“ “)  
 for char in result:  
 char=char[::-1]  
 result=“”.join(char)  
 print(result, end=“ “)  
 reverse(n)

**Q. No. 2:**

***Input****: nums = [1,2,3,4], target = 7*

***Output****: [2,3]*

***Explanation****: Because nums[2] + nums[3] == 3+4 == 7, we return [2, 3]*

# Answer :  
 class answer(object):  
 def add(self, n, target):  
 ans = [ ]  
 for x in range(len(n) - 1):  
 for y in range(x + 1, len(n)):  
 k = n[x] + n[y]  
 if k == target:  
 ans.append((x, y))  
 return ans  
 print(answer().add([1,2,3,4], 7))

**Q. no. 3 :**

[#Answer](https://www.instagram.com/explore/tags/answer/) : **Input : 123**

**Output : True**

n=input("Enter a number: ")  
 def foo1():  
 if (n==n[::-1]):  
 return True  
 else:  
 return False

foo1()

**Q no. 4**

[#Answer](https://www.instagram.com/explore/tags/answer/) of no.4: Output : mi

def commonprefix():  
 str = ['michael','michelle','mitch']  
 str = sorted(str)  
 c=str[0]  
 pref=""  
 for i in range(len(c)):  
 if str[len(str)-1][i] == c[i]:  
 pref = pref + str[len(str)-1][i]  
 else:  
 break  
 print(pref)  
 commonprefix()

**Q. no. 5**

[#Answer of no](https://www.instagram.com/explore/tags/no/).5:

import math  
 n = int(input(“Enter the number of terms: “))  
 pi = 0  
 for r in range(n):  
 term = ((-1) \*\* r) \* (4 / (2 \* r + 1))  
 pi += term  
 print(“The calculated value of pi =“, pi)  
 print(“Actual pi value =“, math.pi)  
 print(“Difference is =“, math.pi - pi)

**Q. N0. 6**

[#Answer](https://www.instagram.com/explore/tags/answer/) of no.6

import math  
 def newton\_method(x,step):  
 p=1  
 guess = x/2  
 while p <= step:  
 guess = (guess + (x/guess)) / 2  
 p+=1  
 return guess  
 answer = newton\_method(25, 5)  
 print (answer,’\nDifference with square root of x: ‘, answer - (math.sqrt(24)))