*#Program - SWap*a=int(input("Enter the first value "))  
b=int(input("Enter the second value "))  
print("Original value of a and b is :",a,"",b)  
a = a+b  
b = a-b  
a = a-b  
print(" After swapping a is :",a,"b is :" ,b)  
  
*#Program - occurrences of each character*str1="Hello world"  
print("occurrences of H :", str1.count("H"))  
print("occurrences of e :", str1.count("e"))  
print("occurrences of l :", str1.count("l"))  
print("occurrences of o :", str1.count("o"))  
print("occurrences of w :", str1.count("w"))  
print("occurrences of r :", str1.count("r"))  
print("occurrences of d :", str1.count("d"))  
  
*#program- Anagram strings*b=("LisTen AcT")  
b1=b.lower()  
a=("SiLeNt CAT")  
a1 = a.lower()  
a1 = [a1[i] for i in range(0,len(a1))]  
a1.sort  
b1 = [b1[i] for i in range(0,len(b1))]  
b1.sort  
if a1 == b1:  
 print("Given strings are Anagram")  
else:  
 print("Given strings are not Anagram")  
  
  
*#program -4. Write a python program to reverse each word of a given string*def sentence(s1):  
 words=s1.split(" ")  
 newwords=[word[::-1] for word in words]  
 newsentence=" ".join(newwords)  
 return newsentence  
  
s1="Python Concept Of The Day"  
print(sentence(s1))  
  
*#program-substring*def substr(str1,n):  
 for i in range(n):  
 temp= " "  
 for j in range(i,n):  
 temp += str1[j]  
 print(temp)  
str1="test"  
substr(str1,len(str1))  
print(str1)  
  
*#program -print pattern*for i in range(1,6):  
 for j in range(5,0,-1):  
 if(i ==j):  
 print("\*",end="")  
 else:  
 print(j,end="")  
 print()  
  
*#Program for diamond pattern*rows = 5  
k = 2 \* rows - 2  
for i in range(0, rows):  
 for j in range(0, k):  
 print(end=" ")  
 k = k - 1  
 for j in range(0, i + 1):  
 print("\* ", end="")  
 print("")  
k = rows - 2  
  
for i in range(rows, -1, -1):  
 for j in range(k, 0, -1):  
 print(end=" ")  
 k = k + 1  
 for j in range(0, i + 1):  
 print("\* ", end="")  
 print("")

Ouput:

Enter the first value 4

Enter the second value 5

Original value of a and b is : 4 5

After swapping a is : 5 b is : 4

occurrences of H : 1

occurrences of e : 1

occurrences of l : 3

occurrences of o : 2

occurrences of w : 1

occurrences of r : 1

occurrences of d : 1

Given strings are not Anagram

nohtyP tpecnoC fO ehT yaD

t

te

tes

test

e

es

est

s

st

t

test

5432\*

543\*1

54\*21

5\*321

\*4321

\*

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\* \* \*

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