Vinay is a student of class XII. During examination, he has been assigned an incomplete python code (shown below) to find position of an ITEM in a sorted list (ascending order) AR.
Help him in completing the assigned code to search an item.

#Definition of FindPos() function

```
…… FindPos(AR, ITEM): # Statement-1
        size = ……(AR) # Statement-2
        if ITEM < AR[0]:
        …….. # Statement-3
        else:
                pos= -1
                for i in range(size-1):
                        if(AR[i] <= ITEM and ITEM <= AR[i+1]):
                                pos= i+1
                ……. # Statement-4
                if(pos== -1 and i <= size-1) … # Statement-5
                        pos= size
                return pos
LIST = eval(input("Enter sorted list:"))
ITEM = eval(input("Enter search ITEM:"))
…….. # Statement-6
print(position)
```

Write the correct output of the following Python codes:

```
Import random
X=random.random()
Y=random.randint(0,4)
print(int(x),":",y+int(x))
```

```
def makenew(mystr):
        newstr=""
        count=0
        for x in mystr:
                if count%2!=0:
                        newstr=newstr+str(count)
                else:
                        if x.islower():
                                newstr=newstr+x.upper()
                else:
                        newstr=newstr+x
                        count+=1
        newstr=newstr+mystr[:1]
        print("The new string is:",newstr)
makenew("sTUdeNT")
```

```
def ChangeList():
        l=[]
        l1=[]
        l2=[]
        for I in range(1,10):
                l.append(i)
        for i in range(0,1,-2):
                l1.append(i)
        for i in range (len(l1)):
                l2.append(l1[i]+l[i])
        l2.append(len(l)-len(l1))
        print(l2)
ChangeList()
```

```
def Findoutput():
        L=”earn”
        X=””
        L1=[]
        Count=1
        for I in L:
                if i in [‘a’,’e’,’I’,’o’,’u’]:
                        X=X+i.swapcase()
                else:
                        if(count%2!=0):
                                X=X+str(len(L[:count]))
                        else:
                                X=X+i
                Count=count+1
                Print(X)
Findoutput()
```

```
import random
X=3
N=random.randint(1,x)
for i in range(N):
        print (I,”#”,i+1)
```

```
def change(i = 1, j = 2):
        i = i + j
        j = j + 1
        print(i, j)
change(j = 1, i = 2)
```

```
def display(b, n):
        while n > 0:
                print(b,end="")
                n=n-1
display('z',3)
```

Write a function lenFOURword(L), where L is the list of elements (list of words) passed as argument to the function. The function returns another list named ‘indexList’ that stores the indices of all four lettered word of L.
For example:
If L contains [“DINESH”, “RAMESH”, “AMAN”, “SURESH”, “KARN”]
The indexList will have [2, 4]