PRACTICAL NO 3

a) **A pangram is a sentence that contains all the letters of the English alphabet at least once, for example: The quick brown fox jumps over the lazy dog. Your task here is to write a function to check a sentence to see if it is a pangram or not.**

Code :
```
def Pangram(String) :
    Alphabets=['a','b','c','d','e','f','g','h','i',
               'j','k','l','m','n','o','p','q','r',
               's','t','u','v','w','x','y','z']
    for i in Alphabets :
        if i not in String.lower() :
            print("")
            print(f"{String}")
            print("above Sentence is not a pangram")
            exit(0)
        elif i==" ":
            continue
    print("")
    print(f"{String}")
    print("above Sentence is a pangram")

print("Enter Sentence to check Pangram or not!")
String=input(">>> ")
Pangram(String)
```

Output :
```
Enter Sentence to check Pangram or not!
>>> my name is yashodip

my name is yashodip
above Sentence is not a pangram

Enter Sentence to check Pangram or not!
>>> The quick brown fox jumps over the lazy dog

The quick brown fox jumps over the lazy dog
above Sentence is a pangram
```

b) Take a list, say for example this one:
a = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89]
and write a program that prints out all the elements of the list that
are less than 5.

Code :

```
def ListCheck() :
    for x in li :
        if x<5 :
            li2.append(str(x))
    print(f"Elements less than 5 are {','.join(li2)}")

li=[]
li2=[]
UserInput=int(input("Enter the size of List element : "))
for x in range(UserInput) :
    Element=int(input(f"Enter element [{x+1}] : "))
    li.append(Element)
ListCheck()
```

Output :

```
Enter the size of List element : 5
Enter element [1] : 1
Enter element [2] : 0
Enter element [3] : 3
Enter element [4] : -2
Enter element [5] : 4
Elements less than 5 are 1,0,3,-2,4

Enter the size of List element : 5
Enter element [1] : 10
Enter element [2] : 6
Enter element [3] : 3
Enter element [4] : 2
Enter element [5] : -12
Elements less than 5 are 3,2,-12
```