





itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in

Python Programming Practical

Practical 3

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

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```
a.a.write a function to check a sentence to see if it is a pangram or not.py - C:/Users/Gauri/Downloads/3.a.write a function to check a sentence to see if it is a pangram or not.py (3.4.3)
               <u>File Edit Format Run Options Window H</u>elp
              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.
               def panagram(itv):
                 #check is variable containining all 26 alphabets
                 check="abcdefghijklmnopgrstuvwxyz"
itvoyag
                                                                                                                       ragers.in
                 for letter in check:
                    if(letter in itv):
                       continue
                       return False
                 return True
               string=input("Enter Any Text:")
ITVOYdE if(panagram(string.lower())):
                                                                                                                       ragers.in
                  #string.lower() will convert any string from user to lower
                  #so we do not need upper case letters in check variable
                 print("Yes It is a Pangram")
                 print("No It is not a Pangram")
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              OUTPUT
               >>>
```

Enter Any Text:itvoyagers
No It is not a Pangram

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itvoyagEnter Any Text:The quick brown fox jumps over the lazy dog ragers.in
Yes It is a Pangram

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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 twoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in itvoyagers.in

TYPE 1

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itvoyag | 3.b.write a program that prints out all the elements of the list that are less than 5.py · C/Users/Gauri/Downloads/3.b.write a program that prints out all the elements of the list that are less than 5.py · C/Users/Gauri/Downloads/3.b.write a program that prints out all the elements of the list that are less than 5. Tagers_in

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. Tagers_in

def lessthanfive(li):

n=5

new_list = [ele for ele in li if ele < n]

return new_list

list1 = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89]

print("The list is ", str(list1))

new_list = lessthanfive(list1)

print ("New list having less than 5 values is", new_list)
```

OUTPUT

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NOTE: Above program is static and can check only values less than 5 if we want to make it dynamic, we can accept itvoyagears in itvoyagers in itvoyagers. In itvoyagers in Below is example of same program with runtime value from user.

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TYPE 2

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🔒 3.b.write a program that prints out all the elements of the list that are less than 5.py - C:/Users/Gauri/Downloads/3.b.write a program that prints out all the elements of the list that are le:
              <u>File Edit Format Run Options Window Help</u>
itvoyag
                                                                                                                     rs.in.
              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.
itvoyag def lessthanfive(li,itv):
                                                                                                                     rs.in.
                    new_list = [ele for ele in li if ele < itv]
                    return new list
itvoyag list1 = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89]
                                                                                                                     rs.in.
              print("The list is ", str(list1))
              itv=int(input("Enter a value to check values less than it"))
              new list = lessthanfive(list1,itv)
              print ("New list having less than 5 values is",new_list)
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OUTPUT

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