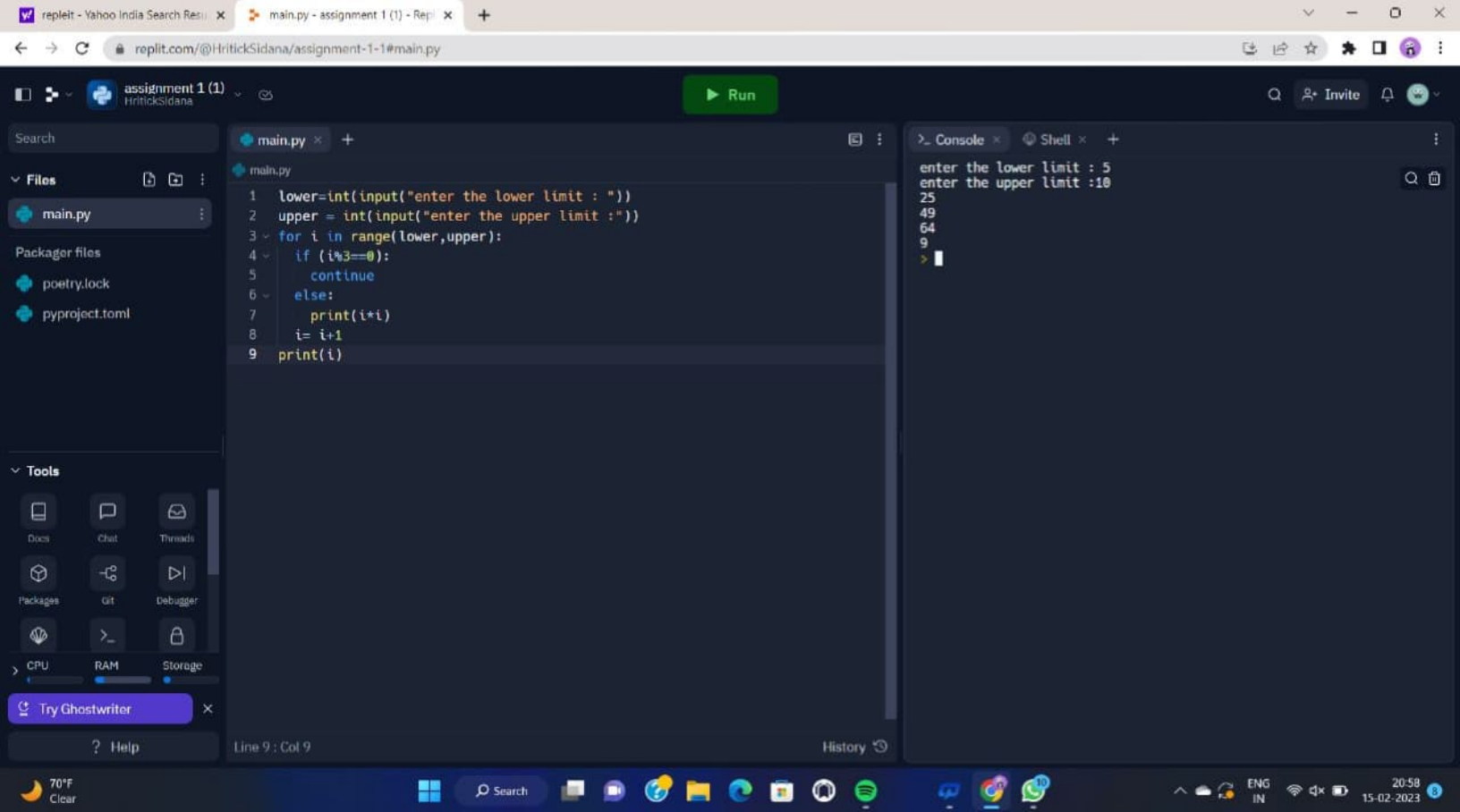
```
lst = []
n = int(input("Enter number of elements : "))
for i in range(0, n):
    ele = int(input())

    lst.append(ele) # adding the element

print(lst)
def sqrt_list(lst):
    ret = []
    for i in lst:
        ret.append(i**0.5 )
    return ret
print(sqrt_list(lst))
```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main.py - assignment 1 (1) - Repl
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HritickSidana
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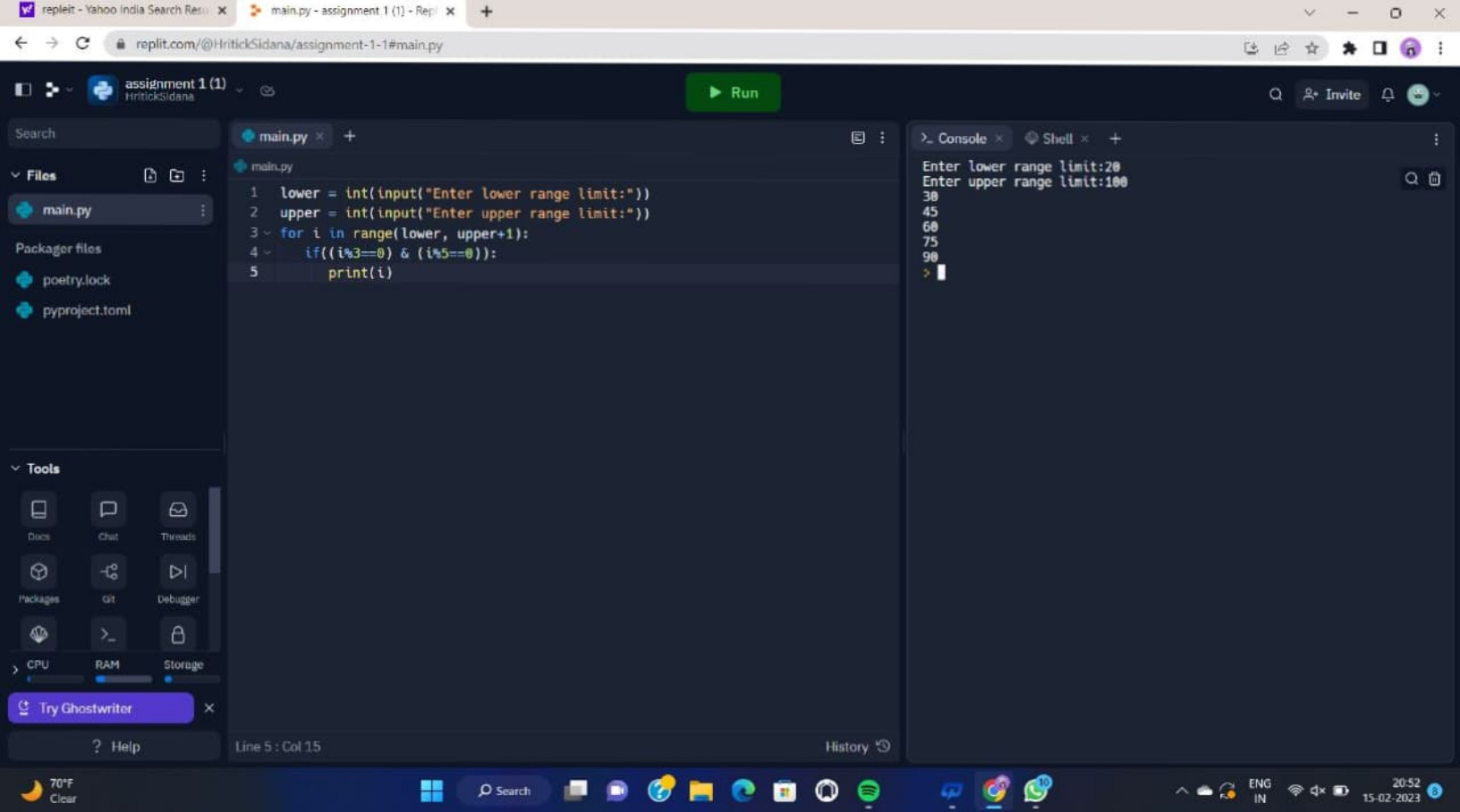
main.py
main.py
1 lower=int(input("enter the lower limit : "))
2 upper = int(input("enter the upper limit :"))
3 for i in range(lower,upper):
4 if (i%3==0):
5 continue
6 else:
7 print(i*i)
8 i= i+1
9 print(i)
Line 9 : Col 9
History
Console
Shell
enter the lower limit : 5
enter the upper limit :10
25
49
64
9
70°F
Clear
Search
ENG
IN
20:58
15-02-2023

```
lower = int(input("Enter lower range limit:"))
upper = int(input("Enter upper range limit:"))
for i in range(lower, upper+1):
   if((i%3==0) & (i%5==0)):
      print(i)
```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main.py - assignment 1 (1) - Rep
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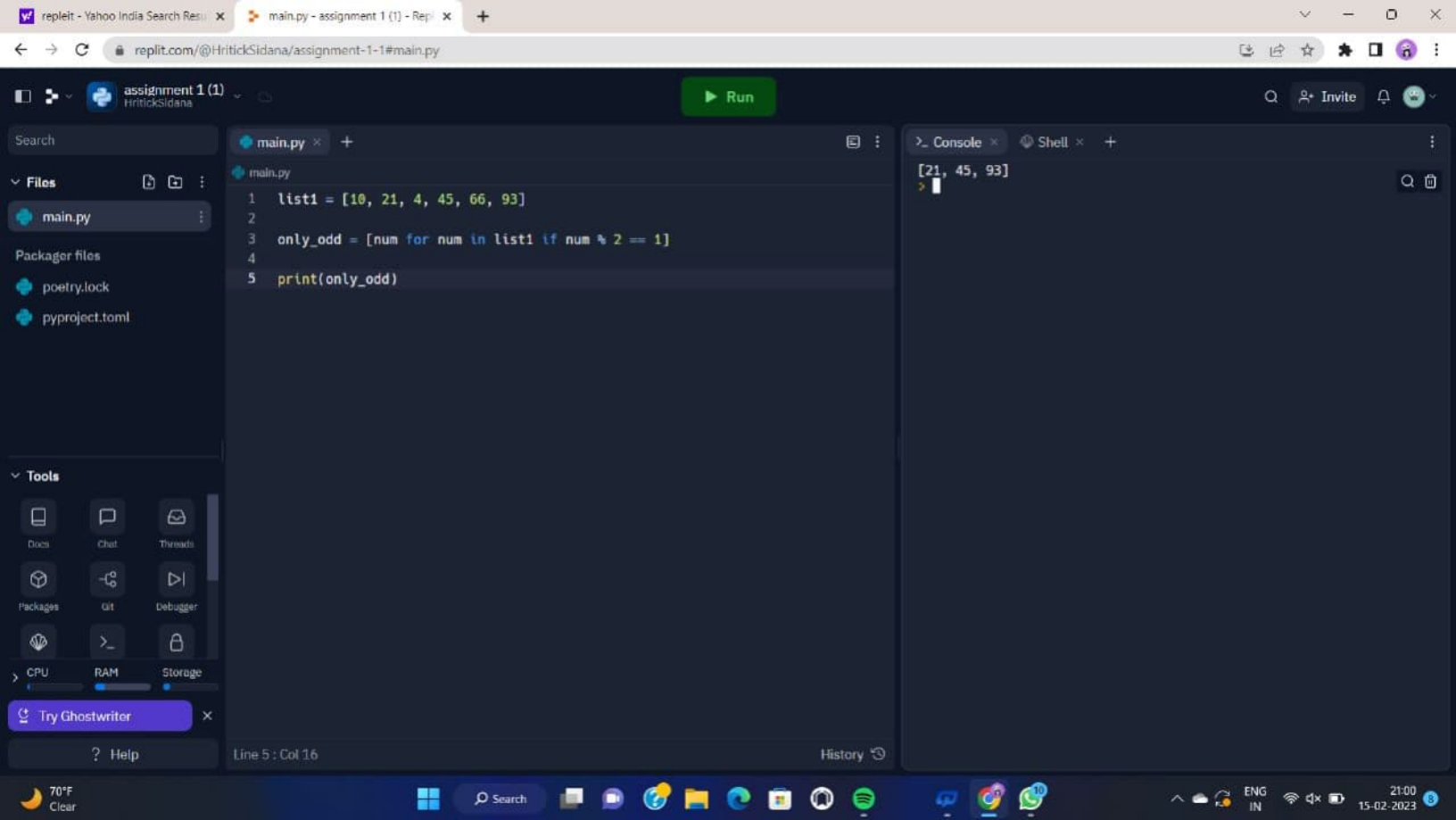
Help
main.py
main.py
1 lower = int(input("Enter lower range limit:"))
2 upper = int(input("Enter upper range limit:"))
3 for i in range(lower, upper+1):
4 if((i%3==0) & (i%5==0)):
5 print(i)
Line 5 : Col 15
History
Console
Shell
Enter lower range limit:20
Enter upper range limit:100
30
45
60
75
90
70°F
Clear
Search
ENG
IN
20:52
15-02-2023

```
def vowelOrConsonant(x):

    if (x == 'a' or x == 'e' or
        x == 'i' or x == 'o' or x ==
'u'):
        print("Vowel")
    else:
        print("Consonant")

vowelOrConsonant('a')
vowelOrConsonant('f')
```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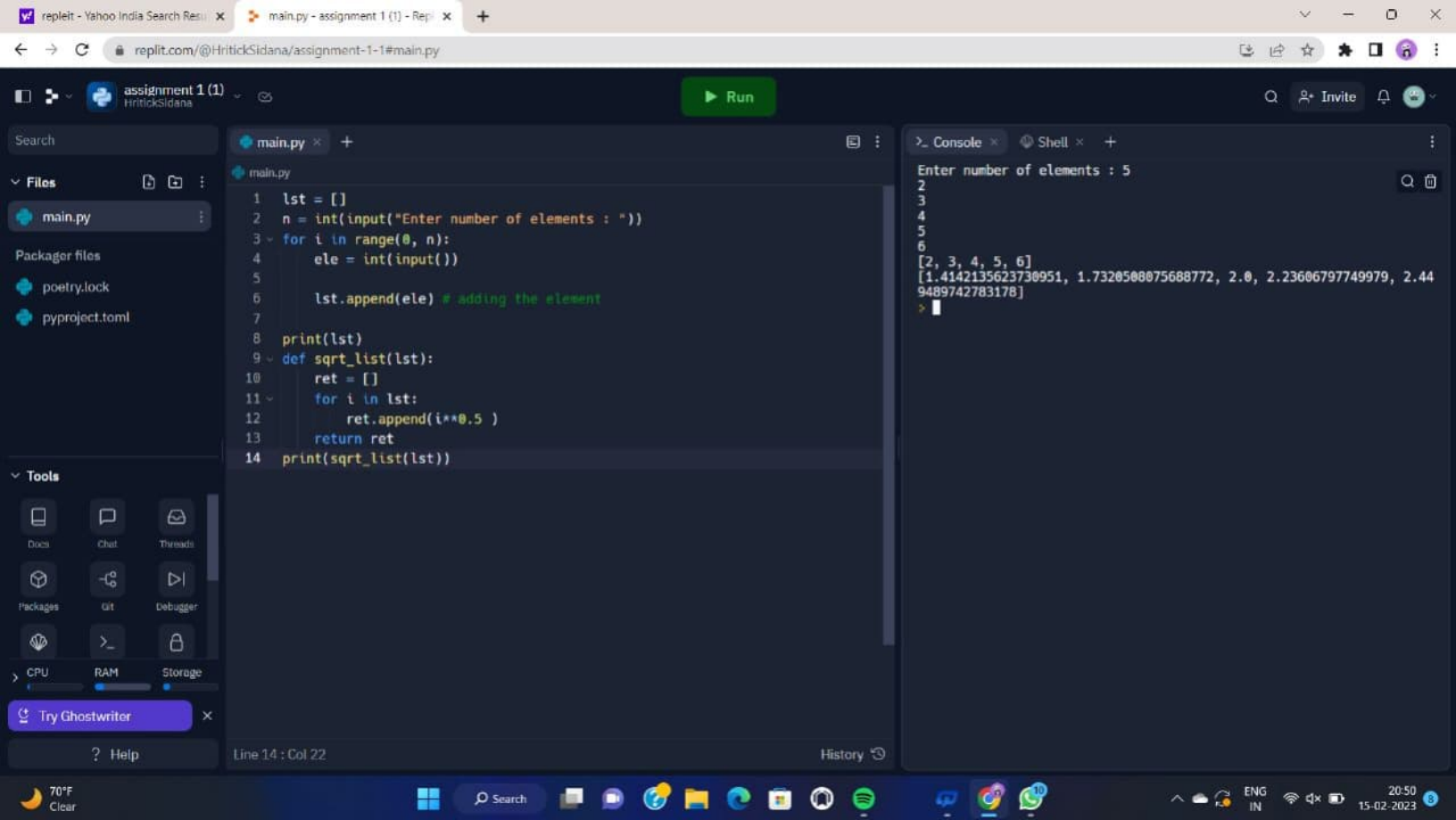
Try Ghostwriter
Help
main.py
main.py
1 list1 = [10, 21, 4, 45, 66, 93]
2
3 only_odd = [num for num in list1 if num % 2 == 1]
4
5 print(only_odd)
Line 5 : Col 16
History
Console
Shell
[21, 45, 93]
>
70°F
Clear
Search
ENG
IN
21:00
15-02-2023

```
def shortestDistance(S, X):

    # Find distance from occurrences of X
    # appearing before current character.
    inf = float('inf')
    prev = inf
    ans = []
    for i,j in enumerate(S):
        if S[i] == X:
            prev = i
        if (prev == inf) :
            ans.append(inf)
        else :
            ans.append(i - prev)


    # Find distance from occurrences of X
    # appearing after current character and
    # compare this distance with earlier.
    prev = inf
    for i in range(len(S) - 1, -1, -1):
        if S[i] == X:
            prev = i
        if (X != inf):
            ans[i] = min(ans[i], prev - i)

    # return array of distance
    return ans


# Driver code
S = "geeksforgeeks"
X = "g"

# Function call to print answer
print(shortestDistance(S, X))
```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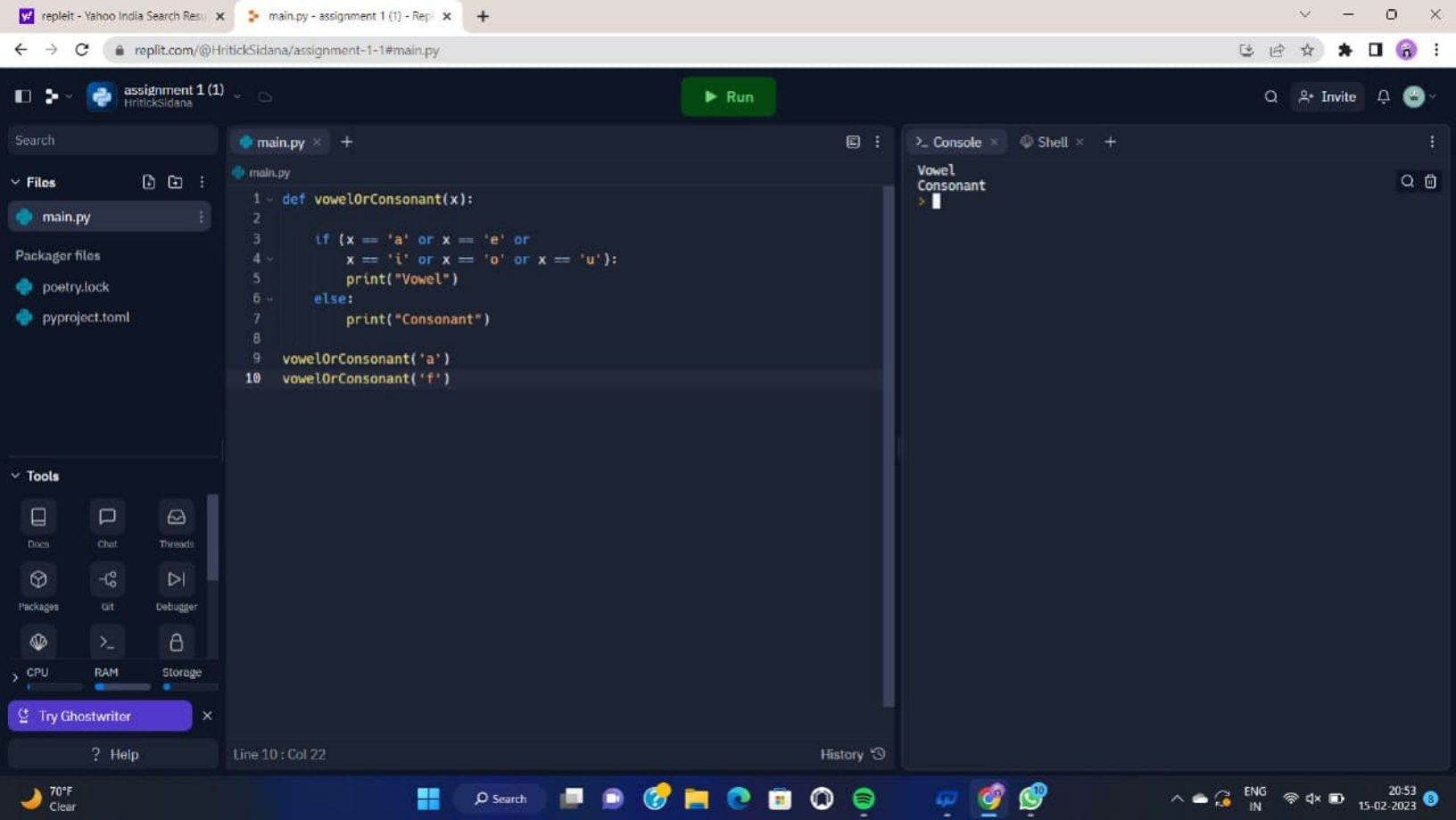
Help
main.py
main.py
1 lst = []
2 n = int(input("Enter number of elements : "))
3 for i in range(0, n):
4 ele = int(input())
5
6 lst.append(ele) # adding the element
7
8 print(lst)
9 def sqrt_list(lst):
10 ret = []
11 for i in lst:
12 ret.append(i**0.5)
13 return ret
14 print(sqrt_list(lst))
Line 14 : Col 22
History
Console
Shell
Enter number of elements : 5
2
3
4
5
6
[2, 3, 4, 5, 6]
[1.4142135623730951, 1.7320508075688772, 2.0, 2.23606797749979, 2.44948974278317 8]
70°F
Clear
Search
ENG
IN
20:50
15-02-2023

```
def Check_Vow(string, vowels):
    string = string.casefold()
    count = {}.fromkeys(vowels, 0)

    for character in string:
        if character in count:
            count[character] += 1
    return count
vowels = 'aeiou'
string = input("enter the string : ")
print (Check_Vow(string, vowels))
```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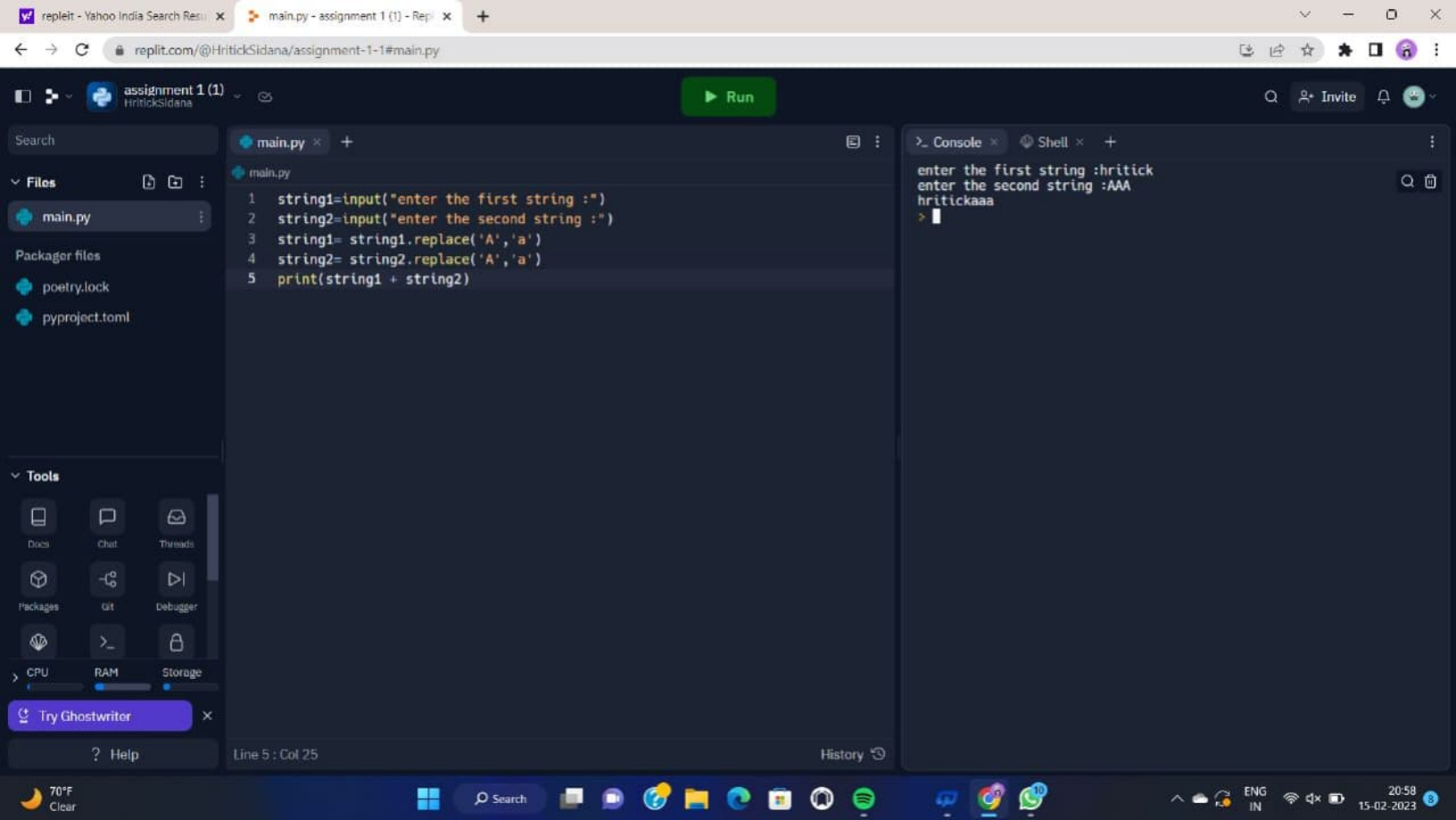
main.py
main.py
def vowelOrConsonant(x):
if (x == 'a' or x == 'e' or
x == 'i' or x == 'o' or x == 'u'):
print("Vowel")
else:
print("Consonant")
vowelOrConsonant('a')
vowelOrConsonant('f')
Line 10 : Col 22
History
Console
Shell
Vowel
Consonant
70°F
Clear
Search
ENG
IN
20:53
15-02-2023

```
def lowercaseAlphabets():


    for c in range(97, 123):
        print(chr(c), end = " ");

    print("");
def uppercaseAlphabets():


    for c in range(65, 91):
        print(chr(c), end = " ");

    print("");


print("Uppercase Alphabets");
uppercaseAlphabets();

print("Lowercase Alphabets ");
lowercaseAlphabets();
```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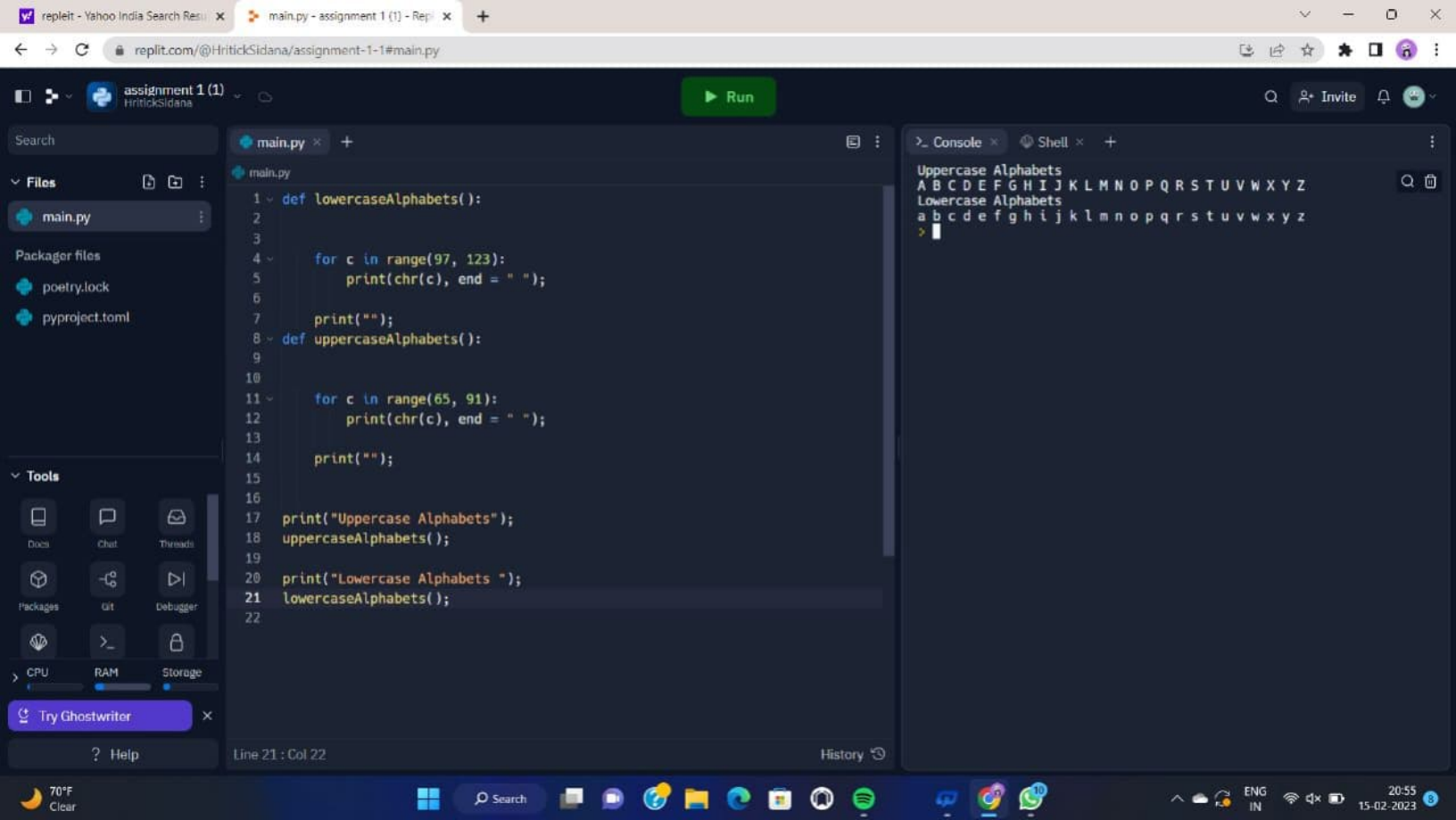
Try Ghostwriter
Help
main.py
main.py
1 string1=input("enter the first string :")
2 string2=input("enter the second string :")
3 string1= string1.replace('A','a')
4 string2= string2.replace('A','a')
5 print(string1 + string2)
Line 5 : Col 25
History
Console
Shell
enter the first string :hritick
enter the second string :AAA
hritickaaa
70°F
Clear
Search
ENG
IN
20:58
15-02-2023

```
NumList = []
Even_Sum = 0
Number = int(input("Please enter the Total
Number of List Elements: "))
for i in range(1, Number + 1):
    value = int(input("Please enter the Value of
%d Element : " %i))
    NumList.append(value)

for j in range(Number):
    if(NumList[j] % 2 == 0):
        Even_Sum = Even_Sum + NumList[j]
print("\nThe Sum of Even Numbers in this List
=  ", Even_Sum)
```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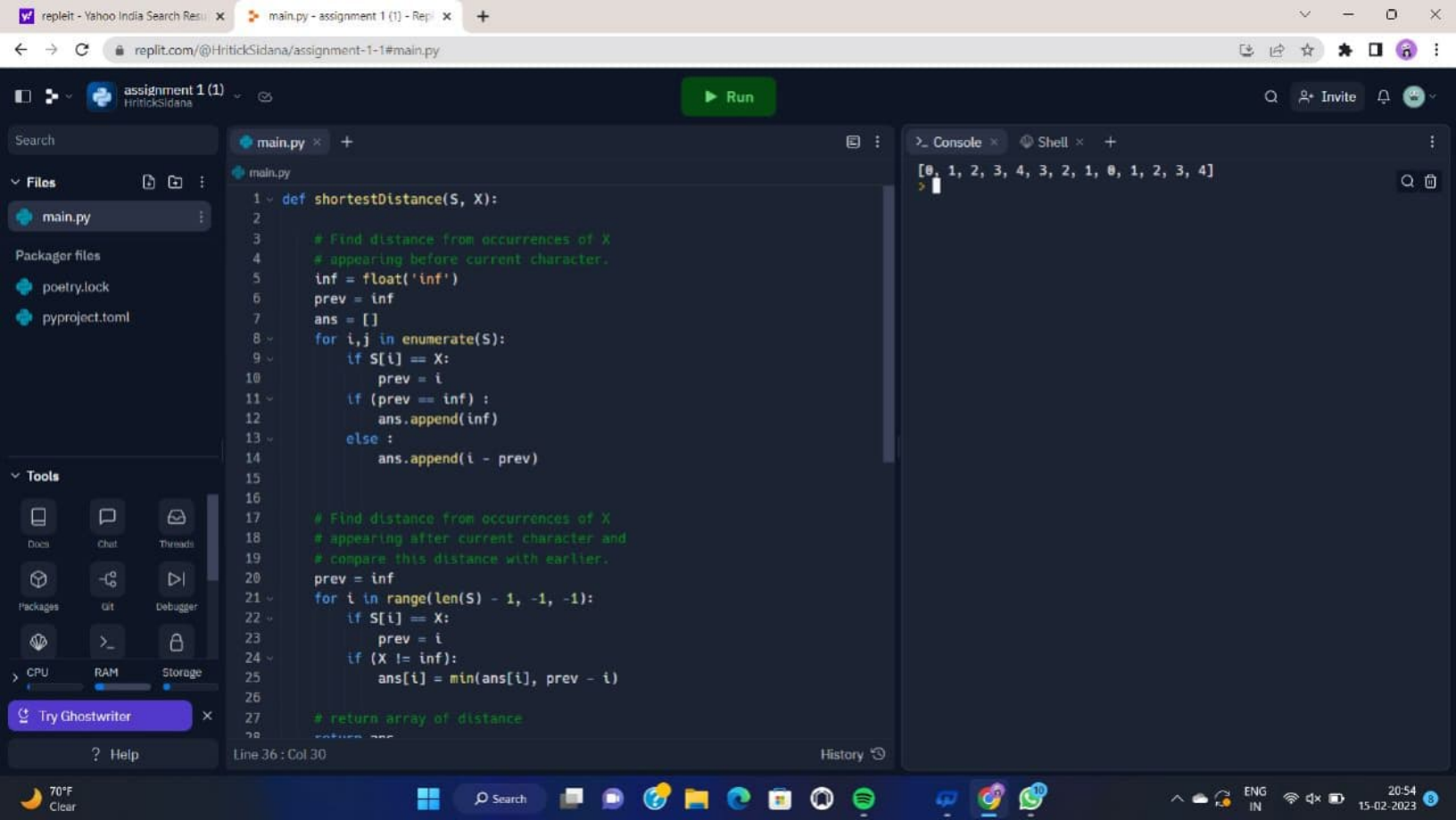
CPU
RAM
Storage
Try Ghostwriter
Help
main.py
def lowercaseAlphabets():
for c in range(97, 123):
print(chr(c), end = " ");
print("");
def uppercaseAlphabets():
for c in range(65, 91):
print(chr(c), end = " ");
print("");
print("Uppercase Alphabets");
uppercaseAlphabets();
print("Lowercase Alphabets ");
lowercaseAlphabets();
Line 21 : Col 22
History
Console
Shell
Uppercase 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
Lowercase 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
70°F
Clear
Search
ENG
IN
20:55
15-02-2023

```
lower=int(input("enter the lower limit : "))
upper = int(input("enter the upper limit :"))
for i in range(lower,upper):
  if (i%3==0):
    continue
  else:
    print(i*i)
  i= i+1
print(i)
```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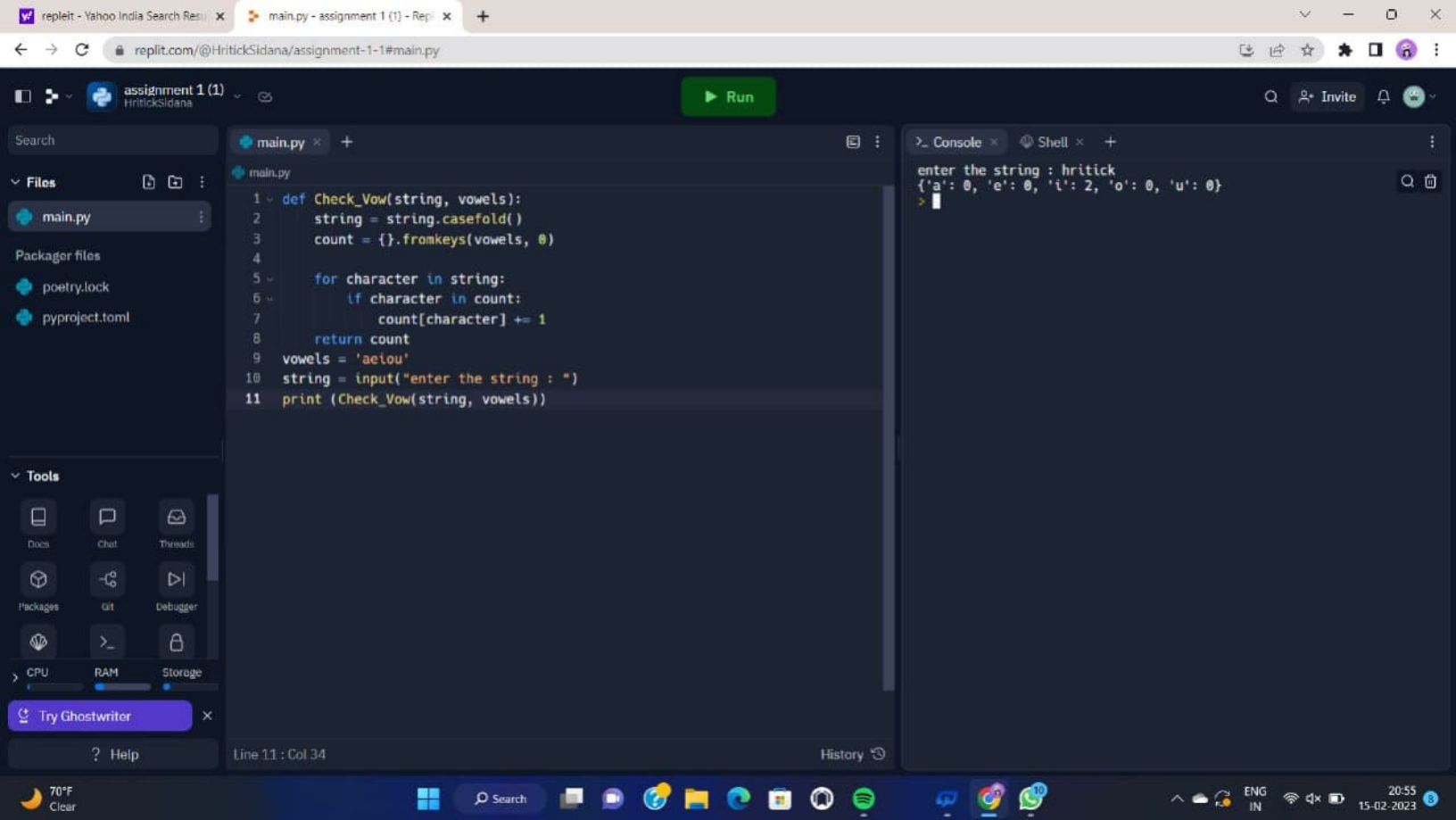
Try Ghostwriter
Help
main.py
main.py
def shortestDistance(S, X):
# Find distance from occurrences of X
# appearing before current character.
inf = float('inf')
prev = inf
ans = []
for i,j in enumerate(S):
if S[i] == X:
prev = i
if (prev == inf) :
ans.append(inf)
else :
ans.append(i - prev)
# Find distance from occurrences of X
# appearing after current character and
# compare this distance with earlier.
prev = inf
for i in range(len(S) - 1, -1, -1):
if S[i] == X:
prev = i
if (X != inf):
ans[i] = min(ans[i], prev - i)
# return array of distance
Line 36 : Col 30
History
Console
Shell
[0, 1, 2, 3, 4, 3, 2, 1, 0, 1, 2, 3, 4]
70°F
Clear
Search
ENG
IN
20:54
15-02-2023

```
string1=input("enter the first string :")
string2=input("enter the second string :")
string1= string1.replace('A','a')
string2= string2.replace('A','a')
print(string1 + string2)
```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main.py - assignment 1 (1) - Repl
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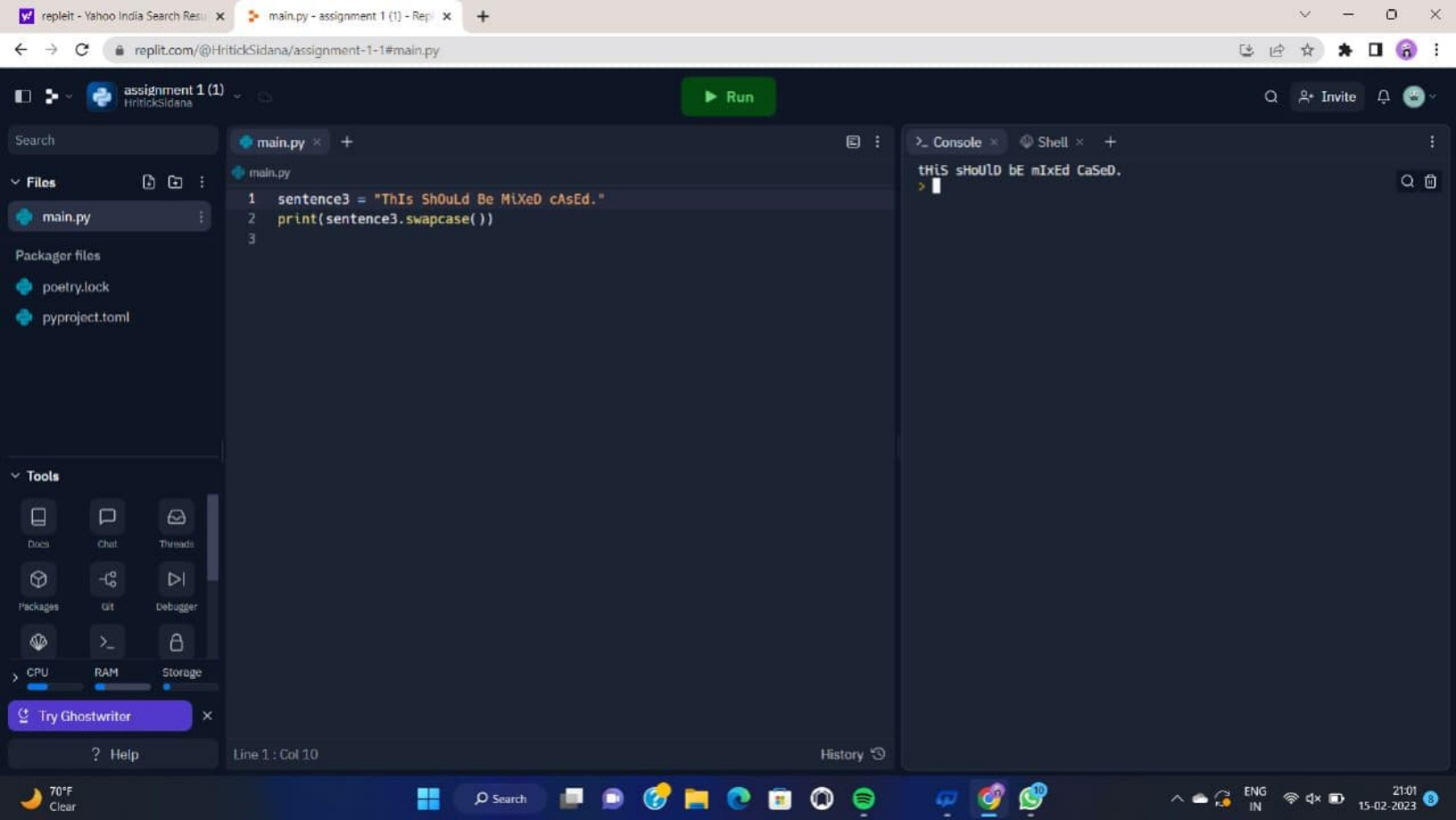
Help
main.py
def Check_Vow(string, vowels):
string = string.casefold()
count = {}.fromkeys(vowels, 0)
for character in string:
if character in count:
count[character] += 1
return count
vowels = 'aeiou'
string = input("enter the string : ")
print (Check_Vow(string, vowels))
Line 11 : Col 34
History
Console
Shell
enter the string : hritick
{'a': 0, 'e': 0, 'i': 2, 'o': 0, 'u': 0}
70°F
Clear
Search
ENG
IN
20:55
15-02-2023

```
list1 = [10, 21, 4, 45, 66, 93]

only_odd = [num for num in list1 if num % 2 ==
1]

print(only_odd)
```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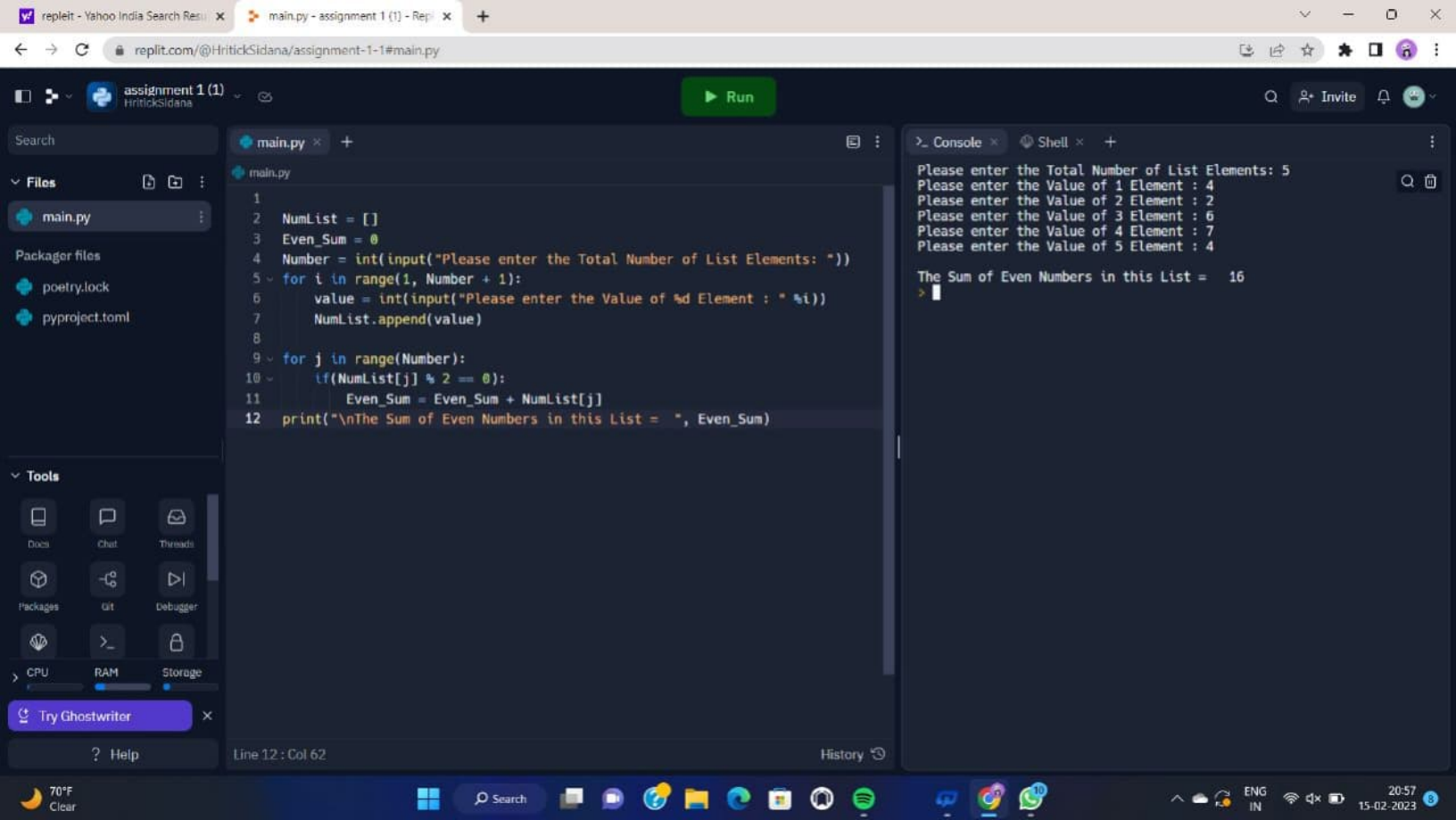
main.py
main.py
1 sentence3 = "ThIs ShOuLd Be MiXeD cAsEd."
2 print(sentence3.swapcase())
3
Line 1 : Col 10
History
Console
Shell
tHiS sHoUlD bE mIxEd CaSeD.
>
70°F
Clear
Search
ENG
IN
21:01
15-02-2023

```
sentence3 = "ThIs ShOuLd Be MiXeD
cAsEd."
print(sentence3.swapcase())
```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Try Ghostwriter
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main.py
main.py
1
2 NumList = []
3 Even_Sum = 0
4 Number = int(input("Please enter the Total Number of List Elements: "))
5 for i in range(1, Number + 1):
6 value = int(input("Please enter the Value of %d Element : " %i))
7 NumList.append(value)
8
9 for j in range(Number):
10 if(NumList[j] % 2 == 0):
11 Even_Sum = Even_Sum + NumList[j]
12 print("\nThe Sum of Even Numbers in this List = ", Even_Sum)
Line 12 : Col 62
History
Console
Shell
Please enter the Total Number of List Elements: 5
Please enter the Value of 1 Element : 4
Please enter the Value of 2 Element : 2
Please enter the Value of 3 Element : 6
Please enter the Value of 4 Element : 7
Please enter the Value of 5 Element : 4
The Sum of Even Numbers in this List = 16
>
70°F
Clear
Search
ENG
IN
20:57
15-02-2023

```
from sklearn.datasets import load_iris
import numpy as np
from sklearn import tree

# Prints the name of iris species from the predicted number
def decode(num):
    for i in num:
        if i==0:
            print("setosa")
        elif i==1:
            print("versicolor")
        else:
            print("virginica")
#---------------------------------

iris = load_iris()
test_ids = []

for i in range (0, 20):
    test_ids.append(i)
for i in range (50, 70):
    test_ids.append(i)
for i in range (100, 120):
    test_ids.append(i)

# Training data
train_data = np.delete(iris.data, test_ids, axis=0)
train_target = np.delete(iris.target, test_ids)

clf = tree.DecisionTreeClassifier()
clf.fit(train_data, train_target)

d1 = float(input("Enter sepal length : "))
d2 = float(input("Enter sepal width : "))
d3 = float(input("Enter petal length : "))
d4 = float(input("Enter petal width : "))

data = [d1, d2, d3, d4]

decode(clf.predict(data))
```