


# Text Analyzer

**Date:6th june 2024**

**Submitted by:Varikuti  
Kavya(22KQ1A0291)**

**Details of project:I'am implementing  
this project by using python  
programming language**

**Code:**

```
Text Analyzer.py  +  Text Analyzer  
```

```
1
2 def check_duplicates(s):
3     s=s.lower()
4     ch_count={}
5     for ch in s:
6         if ch in ch_count:
7             ch_count[ch]+=1
8         else:
9             ch_count[ch]=1
10    d=[]
11    for a,m in ch_count.items():
12        if m>1:
13            d.append(a)
14    if d:
15        print("Duplicates found.Number of duplicates:%d.duplicates characters:"%(len(d)),end="")
16        print(*d,sep=",")
17    else:
18        print("No duplicates found.")
19    s=input()
20    check_duplicates(s)
```

**Input and Output:**

STDIN

Hello worldhello

Output:

```
python3: can't open file 'Text': [Errno 2] No such file or directory
```

## Explanation:

In this program i have implemented Text Analyzer this program is designed to check duplicate characters in a string in this function we can check duplicate values take as a string as input first it converts the string to lower case using `s.lower()` then it intializes an empty dictionary `ch_count` to store count of each character in string then the character is already in dictionary it increments the count of character if not it adds the character to the dictionary with the count of 1 after counting all characters then it will creates empty list of the duplicate values finally the duplicate characters are found then

**its prints a message indicating the number of duplicates found and lists the duplicate characters if there is no duplicate values then it prints the message**

## **Conclusion:**

**Finally i got the desired output of the text analyzer prints the duplicates in the given string**

**Hello worldhello**