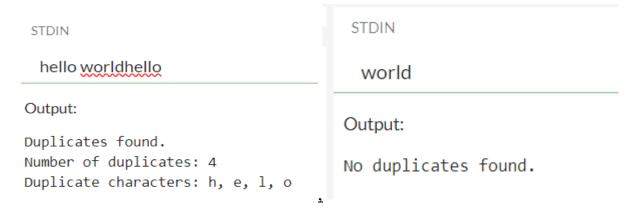# TEXT ANALYZER

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Details of project : Iam implementing TEXT ANALYZER project by using PYTHON PROGRAMMING language

CODE :

```python
def check_duplicates(input_string):
    input_string = input_string.lower()
    char_count = {}
    for char in input_string:
        if char.isalpha():
            if char in char_count:
                char_count[char] += 1
            else:
                char_count[char] = 1
    duplicates = {char: count for char, count in char_count.items() if count > 1}
    if duplicates:
        print("Duplicates found.")
        print(f"Number of duplicates: {len(duplicates) }")
        print("Duplicate characters:", ', '.join(duplicates.keys()))
    else:
        print("No duplicates found.")
input_string = input("")
check_duplicates(input_string)
```

Input and Output:

STDIN

hello worldhello

Output:

Duplicates found.
Number of duplicates: 4
Duplicate characters: h, e, l, o

STDIN

world

Output:

No duplicates found.

EXAMPLANATION:

we defines a function check duplicates so that it can take parameters .Then we convert the given input string into lower case.Then we take empty dictionary named char count.then we use for loop to iterate over every character in the input string.then we check whether the the given input string has only alphabetic characters,so that only alphabetic characters are counted.then we check is there any character in both dictionary and in input string then we increment +1 otherwise we take it as 1.Then we create another dictionary of

duplicates and assigning it to duplicate.if there is any duplicates then duplicates will found otherwise there are no duplicates at last we sprint the duplicates found or not , number of duplicates and duplicate characters

CONCLUSION : Finally I have got desired output duplicate characters