

PROGRAM-4

Aim: Write a program in python to sort words in a string in alphabetical order.

Logic: Strings in python are immutable, but python allows certain operation on string such as split() function to split the string in certain parts, then use sort function to alphabetically sort the string.

Algorithm:

1. Initialize input string
2. Split string on occurrence of spaces
3. Sort the sub-strings
4. Store sorted sub-string in a single string
5. Display the resultant string
6. Exit

Implementation:

```
message = input("Enter message : ")
words = message.split()
words.sort()

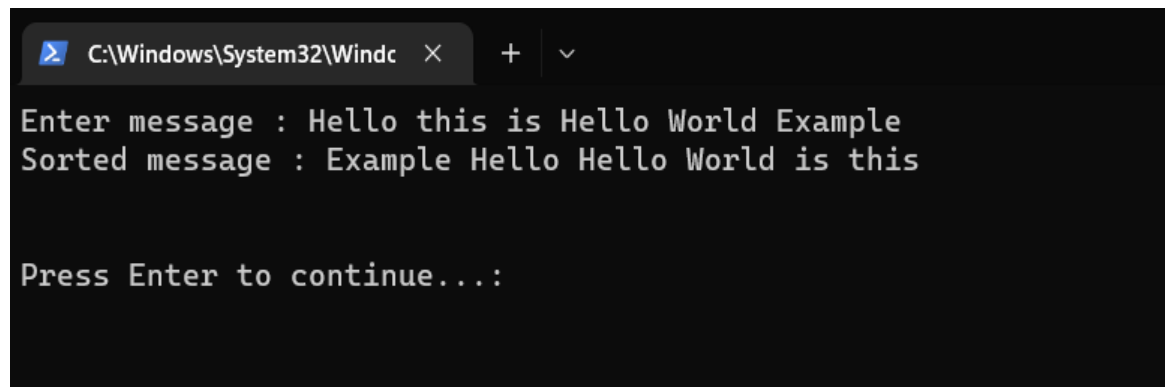
sortedMessage = ""
for w in words:
    sortedMessage = sortedMessage + w + " "

print(f"Sorted message : {sortedMessage}")
```

Input:

Hello this is Hello World Example

Output:



```
C:\Windows\System32\Windc  X  +  v

Enter message : Hello this is Hello World Example
Sorted message : Example Hello Hello World is this

Press Enter to continue...:
```