Challenge 2

Write a solution to find the character that has the highest number of occurrences within a certain string, ignoring case. If there is more than one character with equal highest occurrences, return the character that appeared first within the string. For example: Input: "Character" Output: c

In [1]:

```python
Entered_String = input("Enter a string:  ")
```

Enter a string: Character

In [2]:

```python
Entered_String = Entered_String.upper()
Entered_String = Entered_String.replace(" ","")
Entered_String
```

Out[2]:

'CHARACTER'

In [3]:

```python
length = len(Entered_String)
#The characters of the string and the count of each character in the string will be
String_Dict = {}
```

In [4]:

```python
for i in range(0,length):
    String_Dict[Entered_String[i]] =Entered_String.count(Entered_String[i])
```

In [5]:

```python
String_Dict
list_Val =set()
```

In [6]:

```python
for key,value in String_Dict.items():
    list_Val.add(String_Dict[key])
```

In [7]:

```python
list_Val
```

Out[7]:

{1, 2}

In [8]:

```
String_Dict
```

Out[8]:

```
{'C': 2, 'H': 1, 'A': 2, 'R': 2, 'T': 1, 'E': 1}
```

In [9]:

```python
temp = ""
for i in list_Val:
    for key,value in String_Dict.items():
        if String_Dict[key] >= i:
            temp = key
            break
        else:
            continue

print("The character with highest occurence is ",temp)
```

```
The character with highest occurence is  C
```