

```
In [2]: ##1. Python function that takes a list of words and return the Longest word and the Length of
def find_longest_word(words_list):
    word_length = []
    for n in words_list:
        word_length.append((len(n), n))
    word_length.sort()
    return word_length[-1][0], word_length[-1][1]
result = find_longest_word(["JNTUH", "Data Science", "Computer", "Information Technology"])
print("\nLongest word: ",result[1])
print("Length of the longest word: ",result[0])
```

Longest word: Information Technology
Length of the longest word: 22

```
In [4]: ##2. Python function to remove the nth index character from a nonempty string.
string = (input("Enter the string:"))
n = int(input("Enter the index of the character to remove:"))
first = string[:n]
last = string[n+1:]
print("Modified string:",first+last)
```

Enter the string:My Country India
Enter the index of the character to remove:3
Modified string: My ountry India

```
In [10]: ##3. Python function to get the Last part of a string before a specified character.
string1 = 'https://scde.jntuh.ac.in/lmsportal/participant/assignment/assignment_view/3'
print(string1.rsplit('/', 1)[0])
print(string1.rsplit('-', 1)[0])
print(string1.rsplit('/', 2)[0])
```

https://scde.jntuh.ac.in/lmsportal/participant/assignment/assignment_view
https://scde.jntuh.ac.in/lmsportal/participant/assignment/assignment_view/3
https://scde.jntuh.ac.in/lmsportal/participant/assignment

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In [12]: ##4. Python function to sort a string Lexicographically.
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def sortLexico(input_string):
    words = input_string.split()
    words.sort()

    for i in words:
        print( i )

# Driver code
if __name__ == '__main__':

    input_string = "example: For sorting word in Alphabetical order"
    sortLexico(input_string)
```

Alphabetical
For
example:
in
order
sorting
word

```
In [15]: ##5. Python function to remove spaces from a given string.
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```
Input_name = ' Dande Raju '
```

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print (Input_name.lstrip()) #remove spaces from Left
print (Input_name.rstrip()) #remove spaces from right
print (Input_name.strip()) #remove spaces from both side
```

Dande Raju
Dande Raju
Dande Raju

```
In [ ]:
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