

## # Assignment 3#

### 1.

```
def long_word(list):
    long_word = list[0]
    for c in list:
        if len(long_word) < len(c):
            long_word = c
    len = len(long_word)
    result = { long_word:len}
    return result

list = [ 'rama', 'sita','lakshmana', 'bharatha','shathrugna']
result = long_word(list)
print('longest word: length of longest word is', result)
```

### 2.

```
def remove_nth_char(str,index):
    len = len(str)
    modified_str = ''
    for i in range(len):
        if i !=index:
            modified_str = str[i]
        else
            pass
    return modified_str

str = "ramasita"
len = len(str)
index = int(input('enter an index value btw 0 to len:'))
print('modified string is:', remove_nth_char(str,index))
```

### 3.

```
def lastpart_before_specific_char (str,char):  
    len = len(str)  
    for i in range(len):  
        if char==str[i]  
            if i == 0  
                print('there is nothing before specific char')  
            else  
                print(str[i-1])  
  
str = 'lakshmana'  
char = int(input('enter any alphabet from above str'))  
lastpart_before_specific_char (str,char)
```

### 4.

```
def string_sort_loxico(str):  
    chars = str.split()  
    chars.sort()  
    for c in chars:  
        print(c)  
  
str = Ramachandra  
string_sort_loxico(str)
```

### 5.

```
def remove_spaces(str):  
    return str.replace(" ","")  
  
str = r a m a  
print(remove_spaces(str))
```