

## ASSIGNMENT-3

**1)Python function that takes a list of words and return the longest word and the length of the longest one.**

**SOL:**

```
l = input().split()
ans = ""
length = 0
for i in l:
    if(len(i)>length):
length = len(i)
ans = i
print(ans,length)
```

**2)Python function to remove the nth index character from a nonempty string.**

**SOL:**

```
l = list(input("Enter the non-empty string : "))
n = int(input("Enter the nth index : "))
l.remove(l[n])
res = "".join(l)
print(res)
```

**3) Python function to get the last part of a string before a specified character.**

**SOL:**

```
s = input("Enter the string : ")
spec = input("Enter the specified character : ")
ind = s.find(spec)
print(s[ind + 1:])
```

**4) Python function to sort a string lexicographically.**

**SOL:**

```
s = list(input("Enter the string : "))
s.sort()
print("".join(s))
```

**5) Python function to remove spaces from a given string.**

**SOL:**

```
s = input("Enter the string : ").split()
print("Answer = ", "".join(s))
```