

Assignment-3

1.

```
def longest_word(x):  
y = list(x.split( ))  
y.sort()  
print("longest word is : ",y[-1], "and length of longest word is:",len(y[-1])  
longest_word ("machinelearning programme")  
longest_word("deeplearning programme")
```

Output:

longest word is : machinelearning and length longest of the word is : 18

longest word is : deeplearning and length of the longest word is : 12

2. def removed_string(string, n):

```
x = string[:n]  
y = string[n+1:]  
return x + y  
string = input("Enter the string :")  
n=int(input("Enter the index of the character to remove:"))  
print("Modified string :")  
removed_string(string, n)
```

Output:

Enter the string :Datascience

Enter the index of the character to remove:5

Modified string:

'Datascience'

3.

```
x = 'https://www.bing.com/search?q=sciencedirect&cvid'  
print(x.rsplit( ' / '1)[0])  
print(x.split( ' = ' , 1)[1])
```

Output:

```
https: // www.bing.com  
sciencedirect&cvid
```

4.

```
def lexicographical _order(string):  
    split1 = string.split()  
    split1.sort()  
    return split1  
print(lexicographical_order ("ramayana written by valmiki and mahabharath written by vyasa"))
```

Output:

```
['and', 'by', 'by', 'ramayana', 'mahabharatha', 'vyasa', 'valmiki', 'written']
```

5.

```
def remove(string):  
    ns=""  
    for i in string:  
        if(not i.isspace()):  
            ns+=i  
    returns ns  
print(remove("python data"))
```

Output:

pythondata