```
#longest word and the length of the longest one
def longword(lst):
    lwrd = lst[0]
    for i in lst:
        if len(lwrd) < len(i):
            lwrd = i
    print('Word',lwrd,'is longest and its Length is',len(lwrd))

def main():
    longword(['Goodbye','Hi', 'Hello','Bye'])

if __name__ == "__main__":
    main()

#Remove the nth index character from a nonempty string
def remchar(stng, n):
    if len(stng)>n:
        s1 = stng[:n] + stng[n+1:]
        print(s1)
    else:
        print(stng,'doesnt have', n, 'index')

def main():
    remchar('PythonProg', 1)

if __name__ == "__main__":
    main()

#Get the last part of a string before a specified character.
def remchar(stng, char):
    for ind, i in enumerate(stng):
        if i == char:
            s = stng[ind+1:]
            print(s)
            break
    else:
        print(stng,'doesnt have', char)

def main():
    remchar('PythonProg', 'h')

if __name__ == "__main__":
    main()


#Sort a string lexicographically.
def sort_lexi(stng):
    s = sorted(stng, key = str.upper)
    print('After sorting lexicographically =', s)

sort_lexi('Pythonprog')


#Remove spaces from a given string.
def rme_space(stng):
```

```
    print(stng)
    s = stng.replace(' ', '')
    print('After removing space =', s)

rme_space('P y t h onprog')
```