```
.globl main

.text

main:

        li $v0,4

        la $a0,input

        syscall


        la $a0,space

        li $a1,64

        li $v0,8

        syscall


        la $t0,space

        jal len

.globl len

len:

        beq $t2,'\n',len_end

        lb $t2,($t0)


        addu $t0,$t0,1

        beq $t2,'\n',loop1

        beq $t2,' ',loop1

        addi $t1,$t1,1


        j len

loop1:

        bgt $t1,$t3,loop2

        li $t1,0

        beq $t2,'\n',len_end
```

```
        j len
loop2:
        move $t3,$t1
        move $t4,$t0
        sub $t4,$t4,$t3
        li $t1,0
        j len
len_end:
        la $t0,space
        subi $t4,$t4,1
        move $t0,$t4


        li $v0,4
        la $a0,output1
        syscall
print:
        lb $t2,($t0)
        beq $t2,'\n',end
        addu $t0,$t0,1
        beq $t2,' ',end
        li $v0,11
        move $a0,$t2
        syscall


        j print
end:
        li $v0,10
        syscall
        jr $ra
.data
input: .asciiz "Input a sentence: "
```

space: .space 64

output1: .asciiz "Longest word: "

```
Input a sentence: DHA SUFFA UNIVERSITY
Longest word: UNIVERSITY
-- program is finished running --
```