

CODE:

.data

textfile: .asciiz"new.txt"

length: .space 1024

space: .asciiz"\n"

sampleinput: .asciiz"Ahmed; Computer Science; DHA Suffa University." #input

output: .asciiz "output: \t "

.text

.globl main

main:

li \$v0,13

la \$a0,textfile

li \$a1,0

syscall

move \$s0,\$v0

li \$v0,14

move \$a0,\$s0

la \$a1,length

la \$a2,1024

syscall

li \$v0,4

la \$a0,length

syscall

li \$v0,16

move \$a0,\$s0

syscall

```
li $v0,4
```

```
la $a0,output
```

```
syscall
```

```
la $s0,length
```

```
loop:
```

```
lb $t0,($s0)
```

```
bne $t0,',';print
```

```
endondot:
```

```
add $s0,$s0,1
```

```
beq $t0,',';exit
```

```
b loop
```

```
print:
```

```
li $v0,11
```

```
move $a0,$t0
```

```
syscall
```

```
beq $t0,',';line
```

```
b endondot
```

```
line:
```

```
li $v0,4
```

```
la $a0,space
```

```
syscall
```

```
b endondot
```

```
exit:
```

```
li $v0,10
```

```
syscall
```

OUTPUT:

```
output:
Ahmed
Computer
Science
DHA
Suffa
University.
```