

Lab: 10

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Roll No: 23i-0061

COAL

Instructor

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Campus

Task1:

Code:

```
include Irvine32.inc
.386
.model flat, stdcall
.stack 4096

filesize = 501
.data

fileName Byte "Fahid4.txt", 0
handler handle ? ;cursor
data byte filesize dup(?) , 0
datalength dd ?
totallength dd ?
totalwrittenletters dd ?
address dd ?

.code
main proc

mov address , offset data
mov edx , offset fileName
call openinputfile
mov handler , eax
mov eax, handler
mov edx, offset data
mov ecx, filesize
call readfromfile
mov datalength, eax

call closefile

mov ecx, filesize
sub ecx, datalength
mov edx, offset data
add edx, datalength
dec edx
call readstring
add datalength, eax
```

```

dec datalength
dec datalength

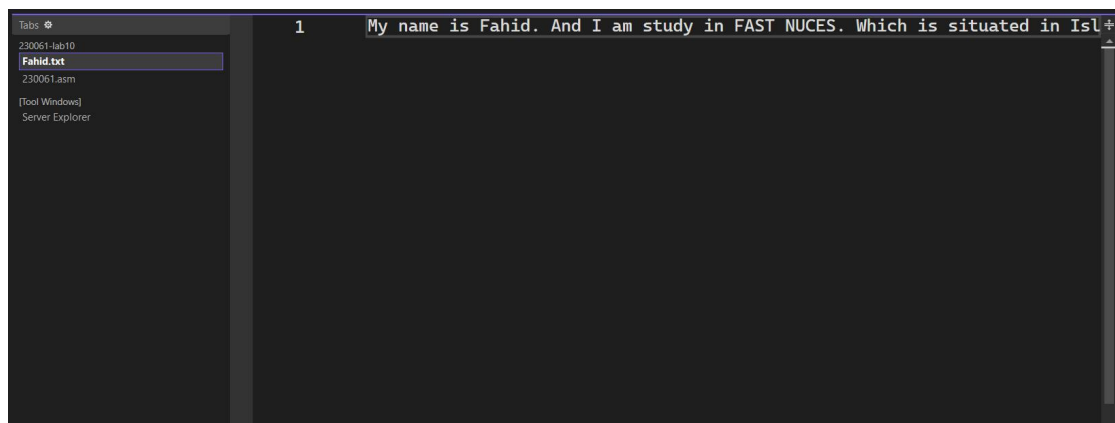
mov edx, offset data
call writestring

mov edx , offset fileName
call createoutputfile
mov handler , eax
mov eax, handler
mov edx, address
mov ecx, datalength
call writetofile
call closefile

exit
main endp
end main

```

Output:



Task2:

Code:

```

include Irvine32.inc
.386
.model flat, stdcall
.stack 4096

filesize = 501
.data

```

```
msg1 Byte filesize dup (0)
fileName Byte "Fahid3.txt", 0
handler handle ? ;cursor
data byte filesize dup(?)
datalength dd ?
totallength dd ?
totalwrittenletters dd ?
num1 byte 100 dup ('\n')
```

```
.code
main proc
mov edx , offset fileName
call createoutputfile
mov handler , eax
```

```
mov ecx, 100
mov edx, offset num1
call readstring
mov datalength, eax
mov totallength, eax
```

```
mov ecx, 100
sub ecx, datalength
dec ecx
mov edx, offset num1
add edx, datalength
inc edx
inc totallength
```

```
call readstring
mov datalength, eax
add totallength, eax
```

```
mov ecx, 100
sub ecx, totallength
dec ecx
mov edx, offset num1
add edx, totallength
inc edx
inc totallength
```

```
call readstring
```

```
    mov datalength, eax
    add totallength, eax

    mov ecx, 100
    sub ecx, totallength
    dec ecx
    mov edx, offset num1
    add edx, totallength
    inc edx
    inc totallength

    call readstring
    mov datalength, eax
    add totallength, eax

    mov ecx, 100
    sub ecx, totallength
    dec ecx
    mov edx, offset num1
    add edx, totallength
    inc edx
    inc totallength

    call readstring
    mov datalength, eax
    add totallength, eax

    mov eax, handler
    mov edx, offset num1
    mov ecx, totallength
    call writetofile

    call closefile

    exit
main endp
end main
```

Output:

```
123
456
789
456
1234
```



Task3:

Code:

```
include Irvine32.inc
.386
.model flat, stdcall
.stack 4096

filesize = 300
.data
msg1 Byte filesize dup (0)
fileName Byte "Fahid.txt", 0
handler handle ? ;cursor
data byte filesize dup(?) ;array to save data
datalength dd ?
totalwrittenletters dd ?

.code
main proc
```

```

    mov edx , offset fileName
    call openinputfile
    mov handler , eax
    mov eax, handler
    mov edx, offset msg1
    mov ecx, filesize
    call readfromfile
    mov edx , offset msg1
    call writestring

    call closefile

    exit
main endp
end main

```

Output:

```

My name is Fahid. And I am study in FAST NUCES. Which is situated in Islamabad.
C:\Users\fahid\source\repos\230061-lab10\Debug\230061-lab10.exe (process 5340) exited with code 0 (0x0).
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the
le when debugging stops.
Press any key to close this window . . .

```

Task4:

Code:

```

include Irvine32.inc

.386
.model flat, stdcall
.stack 4096

filesize = 501
.data
msg1 Byte filesize dup (0)
fileName Byte "Fahid2.txt", 0
handler handle ? ;cursor
data byte filesize dup(?)
datalength dd ?
totalwrittenletters dd ?

.code
main proc

```

```

    mov edx , offset fileName
    call  createoutputfile
    mov handler , eax

    mov ecx, filesize
    mov edx, offset data
    call readstring

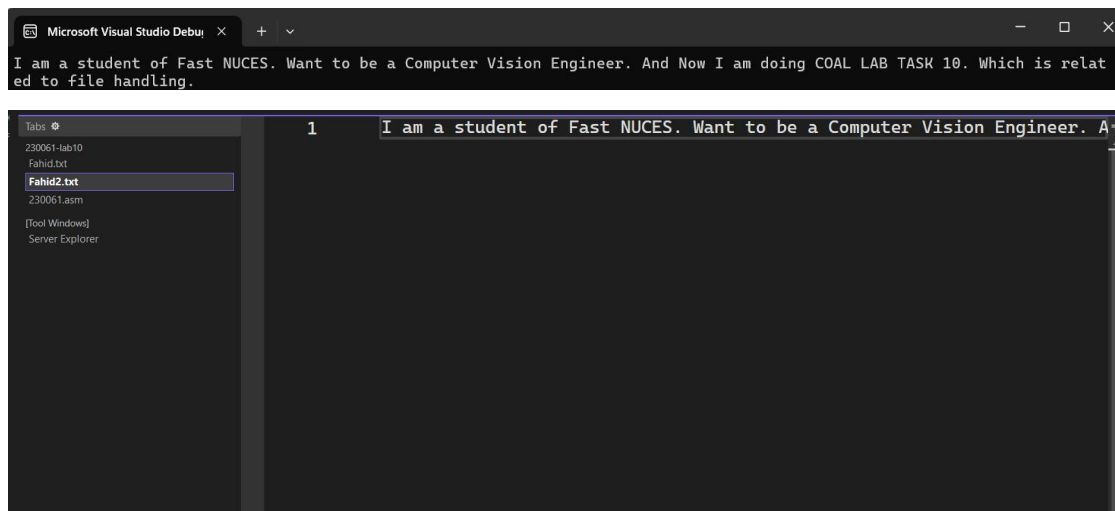
    mov datalength, eax
    mov eax, handler
    mov edx, offset data
    mov ecx, datalength
    call writetofile
    mov edx , offset data
    call writestring

    call closefile

    exit
main endp
end main

```

Output:



Task5:

Code:

Output: