T. T. I			Page No.: I Date.; / /
AARON PHILIP	AND DOUBLEST	3/6 (10)	
			181
ASSIMINIVON	T 10	1 85 11	CARLO CO
1A101 No2	Jelose Wein		120000
ROLL	10 th 11	1,11111	214 114 11A
brameters Passe	d to file open	syscall	in an
sys-open	. PER A		
4	**	Survey 3	Strewer W.
1. COM	*filename	XIM US	Comme in
. int flags			
Adx une music	s septoch in	HAULE E	- CTT-3
· Aviga	BANGUL BLIGHT	d and to	
mut chas #fi	lename (path) rep	Sesant fil	A In Alda I
		using The	e nome
Wild His	amen and the	1 11111	11000
that the pro	gram wants to or	en / create	. Kingo
that the pro	gram wants to or	en / create	. Kingo
that the pro	us how file	en/create	. Cunkle.
that the project of the specific control only write	your wants to op us how file , would / read & w.	pen/create should be rile	opened i.e
that the project flag specification write	us how file we are well with the well of the well of the permissions	should be rile of the	opened i.e
that the project flag specification write	us how file we are well with the well of the well of the permissions	should be rile of the	opened i.e
that the project flag specification write	your wants to op us how file , would / read & w.	should be rile of the	opened i.e
that the project of t	es how file a conty / read & w. a file of an	should be rile of the octal num	opened i.e
that the project of file	gram wants to operates	should be rile of the octal num	opened i.e file for nber
that the project of file	gram wants to operated by only / read & w. afus permissions file as an overely operated burke file in	should be rile of the octal num	opened i.e file for nber
that the project of file	gram wants to operated by only / read & w. afus permissions file as an overely operated burke file in	should be rile of the octal num	opened i.e file for nber
that the project of file open the source	gram wants to operated by only / read & will as an operated by operated by the continuous file in the continuous file continuo	should be rile of the octal num	file for nber
that the project of file open the source of file open the source of the sead the sea	gram wants to operate of the second of the s	should be rile of the octal num ri Kend mod t & store	file for need i.e e unto buffer ad-weste mode
that the property write mode specification only, write the property created specification of file open the series the source of the series the source white the business of the white the business of the series the source of the series the source of the series of the se	gram wants to operate of the second of the content	should be rile of the octal num ri Kend mod t & store	file for need i.e e unto buffer ad-weste mode
that the project of file open the source of file open the source of the sead the sea	gram wants to operate of the second of the content	should be rile of the octal num ri Kend mod t & store	file for need i.e e unto buffer ad-weste mode
that the project of full open the source of full open the service of the service	gram wants to operate of the second of the content	should be rile of the octal num ri Kead mod t & store	file for need i.e e unto buffer ad-weste mode
that the property write mode specification only write the source white the white the ball close the factorial and the source white the ball close the factorial and the source white the ball close the factorial and the factorial and the factorial and the source white the factorial and the factorial a	gram wants to operate of the second of the s	should be rile of the octal num rich cotal num rich kend mod t & store on realid	file for need i.e e unto buffer ad-weste mode
that the prount following the product only created specific created the countries the sead the countries the sead the countries the sead the source of the sead the countries the sead the source of the sead the sead the source of the sead the sead the source of the sead the se	gram wants to operate of the second of the content of the content of the second of the	should be rile of the octal num ri Kend mod t & stor un realed	e into byffer d-write mode
that the property write mode specificated streets of file open the series white the backet the back	gram wants to operate only / read & w. afus permissions file as an experimental content of the c	should be rile of the octal num ri Kend mod t & stor on realid	file for where mode ! / opened Ali
that the project of full open the source the source the sequence oreated and	gram wants to operate of the contents on the contents on the contents of the c	should be sile the of the octal numbers of the octal numbers of the store of the st	file for need in e who buffer ad-write mode file is ource fill
that the project of full open the source the source the sequence oreated and	gram wants to operate only / read & w. afus permissions file as an experimental content of the c	should be sile the of the octal numbers of the octal numbers of the store of the st	file for need in e who buffer ad-write mode file is ource fill

Page No con we declare following variable Date. can we best db File copied successfully section may be declare the above various as this section various section bes variable cannot declare the above variety No we above as this section in section only untralized in evition by unitialized variables AS operaty 2 fname 2, 2, 07779 mor fail, rax 07779 must be seplaced to meet the mentioned 19 owner access 1115 group access is =59 101 other access is 100 - 49 Weindling

CODE: %macro operate 4 mov rax,%1 mov rdi,%2 mov rsi,%3 mov rdx,%4 syscall %endmacro section .data msg1 db "Error:",10 msgl1 equ \$-msg1 msg2 db "File Copied Successfully",10 msgl2 equ \$-msg2 section .bss fname1 resb 15 fd1 resq 1 fname2 resb 15 fd2 resq 1 buff resb 1024 bufflen resq 1 section .text global start _start: pop r8; command line args are stored in the r8 register cmp r8,3; check if 3 arguments were given (./fname one.txt two.txt) jne err; if 3 args are not given then jump to the err label pop r8; pop the second (arg2) pop r8; pop the first (arg1) mov rsi,fname1; (copy the full file name till the null string is reached) above: mov al,[r8]; (first .txt) so f will be moved to rsi then i and so on cmp al,00; if al is 00 then we know that the null character was loaded in al je next

jmp above; the point of the above loop was to copy name of source file into fname1

mov [rsi],al inc r8 inc rsi

```
next:
pop r8
mov rsi,fname2
above2:
mov al,[r8]
cmp al,00
je next2
mov [rsi],al
inc r8
inc rsi
jmp above2
next2:
operate 2,fname1,000000q,0777q; 000000q means read-mode and 0777q is read write exec
perm
mov [fd1],rax
operate 0,[fd1],buff,1024; read the first file
mov [bufflen],rax
operate 85,fname2,0777q,0; create the second file (85)
operate 2,fname2,2,0777q; open second file
mov [fd2],rax
operate 1,[fd2],buff,[bufflen]; write into the Second file
operate 3,[fd2],0,0; close the second file
operate 3,[fd1],0,0; close the first file
operate 1,1,msg2,msgl2
jmp end
err:
operate 1,1,msg1,msgl1
end:
operate 60,0,0,0
OUTPUT:
```

	aaron@aaron-IdeaPad-3-14ITL6: ~/MITWPU/MAIOT/Programs/Assignment 10	Q • • •
aaron@aaron-IdeaPad-3-14ITL6 File Copied Successfully	aaron@aaron-loearad-3-14IIL6: -/MITWPU/MAIOT/Programs/Assignment 10 :~/MITWPU/MAIOT/Programs/Assignment 10\$./assignment10 instructions.txt o	