:: ASSIGNMENT # 3 ::

ID: 11533

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Subject: Microprocessor and

Assembly Language

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Iqra National University

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	Assignment #3	
Φ,	Answer: -35d, DDh, 3350, 110111016	2020/
Q ₂	Answer: (5+1) (-2+3) *2 mod 5=2	
	Ancides,	•
Q ₁	-62E+04 Answes.	
	Include: inserts and source code from the sourcefile given by filename into current sourcefile during assembly. Syntax INCLUDE filename:	
	Syntax INCLUDE filenane:	
	instructions for the 80388 piecesson; disables assembly of instruction introduced with	<
	Syntone -386	REDMINO AI QUAD C
		Quisi (tes

11533 MOTOWOTOFOS Of Answer: · Vas 3 SBYTE \$+127 3 bit signed unsigned Val 1 SLIORD 7-32768 signed 16 bit: Val 4 WORD \$65535 32 bit: vass SDWORD -21476h unsigned 32 bit: var 6 DWORD \$123 4567h P. T. O

11533 MOTOWOTO	□F□S	7
Date:		0
Q11 Answer:		200
Vall DWORD 12345678h		20/5
0000: 78		20
0002: 34		
	9	-
PAnswer: yall DIJORD 87654321h		
43h 65h		2
87h		20
Q13 Answer		9
check the number's sign.	84	
PAnswes: Amy DWORD 120(2)		•
15 1 15 1 15 1 15 1 15 1 15 1 15 1 15		
my Array BYTE A, B, C, D, E	OTE) CAMER.
Answer: WArray WORD 10,20,30.		AI QUAD
0,20,50.	Darr	2

	S 33	
Date:		TUFUS
217		
P	Answer:	
	my Color BXTE "blue", O.	
38	Answer:	
2	An intega literal, such as 35.	
	has no direct meaning to someone reading	
	the program's source code. Instead, a symbolic	
	constant such as MIN CAPACITY can be	
	assigned an integarable, and is self	
	dolumenting.	Z.Z.
019	Answer:	
4	Array Size = (\$ - my Array)	
25	Answer:	
,	Array Size = (\$-my Array)/4 OR	
	OR VITAL DI JORD	
	ArraySize = (\$-myArray)/TYDE DWORD	
21		
0	Answer:	
	386	
	model flatostdeall	
	ab of 4.96	00
	Exit Process PROTO, dw Exit Code: DWORD) TE
	SUN = O	Z C
	MON=1	ED Z
	TUE=2	06
1	JED=3	

11533 MOTOW	OTOFOS N
te:/	7
THU=4	0
FRI 5	70
SATE	
days Array BYTE SUN, MON, TUE, WED, THU, FI	RT-SAT
days Array BIL SUN, 1000, 1000	
·code	
main PROC	
INVOKE ExitProcess,0	
main ENDP	
END main	
32	
32 Answer:	11
Program:	
-386	
·model flat, stdall	34
-stack 4096	
Exit Process PROTO : dwErit Code: DWORD	
str1 EQUX "Ashir," 0)	
str1 EQU< "Ali", 0)	
str3 EQUZ "Khon", 02	
data	1.5
first BYTE str1	1
second BYTE str2	
third BYTE str3	RA
-code	8 3
main PROC	CA
Enroke INVOKE Exit Process, 0	Z Q
main ENDP	KEDIN OIL
END main	~ ~ ~
C'SI MICHINE	
	Darsi Notes

115 33 MOTOWOTOFOS EQU-directive: Que Answes: Zero Opelands: stc; setcassyflag One Operand: Two Operands: Sub my Byte, 25; memory, cox odd eax, 36x25; register, constant expression

11533 MUTUWU	TOFOS
Date://20	
Answer: A sourcefile is given as input to the assembler. It has afflitional test	0.70
to the assembler. It is a file that that will not be semble. It is a file that is created by the assembler.	2020/
is created by the assembler-	=
Answer:	6
Code example. The two instructions have	Gar.
different opcodes	-
addedx,5	2
Datalabeles exist in the data	
segment as variable offsets	
segment as variable offsets Cade labels are in the code segment and are offsets for transfer of control instructions.	
P# Answer:	
(a) [label:] @mnemonic (a) [operand]. (a) [Comment]	TE 8 CAMERA
	DM: QUAD
(P.T.O)	A REI
	Darry Note

Date:/20	MOTOWOTOFOS
O29 Answers	
Comment	
first line comment	7.5
Second line comment	
sicend line comment	200
as Answer:	20
You do not use numeric ad	Ivesser
for variables because the addresses we	
charge if new variable were inecost	ted
before the energing onls-	
gove the ensuring sines	
Answer.	
The EXE format con hav	e
The EXE format can have multiple code, data and stack seg	ments
Transfer care getter to the	
Answer: Program:	
Property	
Creatam:	
1	
-326 -model flat, stacall	
-model tide states	
estack 4096 Exit Process PROTO, dwfxit Code: DWord	
-code	RA
main PROC	A M G
mov eax, 3h	OZ
mov eba, 8h	W A U
movecx, 1h	RED AI Q
movedx, 8h	OChan
	, O Darsi

addeax, eba addeax, eda subeax, eca INVOKE Exit Process & D main ENDP END main.	11533				MOTO	WOTE	F□S €
addecx, edx subeax, ecx TNOKE EntPacess, D main ENDP END main.	/20						8 10
addecx, edx subeax, ecx TNOKE EntPacess, D main ENDP END main.	add	axeba					C
subeax, ecx TNVOKE Exit Process , 0 main ENDP END main.	add	cxieda					L
TNVOKE Exit Process 30 main ENDP END main.	cuhe	ox, ecx					
main ENDP END main.	INV	OKE Exit Pre	ocess , O				
END main.	mair	ENDP					c&
	ENI	Smain.					
		100	-	•			
							IE.
							- 7
							56
							10
					1,000		
					Billian in		
						7	
						-	
					The state of the s		0 2
					100		O TE
	-				100		REDMI NOTE 8
	-				100		Σ Ω
							R.
							Dard No