COAL BS DS Fall 2022 Afternoon Quiz 7

Time allowed: 15 min Total marks: [2.5x4=10]

Roll Number:	Name:
.MODEL SMALL .STACK 300H	.MODEL SMALL .STACK 300H
.DATA	.DATA
STR1 DB 'FCIT\$DATA'	STR1 DB 'COAL IS INTERESTING SUBJECT'
STR2 DB 11 DUP('\$')	STR2 DB 19 DUP('\$')
.CODE	.CODE
MAIN PROC	MAIN PROC
MOV AX,@DATA	MOV AX,@DATA
MOV DS,AX	MOV DS,AX
MOV ES,AX	MOV ES,AX
LEA SI, STR1+8	
LEA DI, STR2	LEA SI, STR1+8
MOV CX, 4	LEA DI, STR2
STD	MOV CX, 19
AGA:	CLD
MOVSB	AA:
ADD DI,2	LODSB
LOOP AGA	CMP AL, 'T'
CLD	JE BB
MOV CX, 5	DEC SI
LEA SI, STR1	MOVSB
REP MOVSB	BB:
MOV DX,OFFSET STR2	LOOP AA
MOV AH,9	MOV DX, OFFSET STR2
INT 21H	MOV AH,9
MOV AH,4CH	INT 21H
INT 21H	MOV AH,4CH
MAIN ENDP	INT 21H
END MAIN	MAIN ENDP
Q1: What will the output of the above code	END MAIN
Q1. What will the output of the above code	Q1: What will the output of the above code
ATADECIT	Q1. What will the output of the above code
ATADFCIT	INERESING SUBJEC
	INERESING SUBJEC
Q2: What is the value of SI and DI after the	
execution of the above code if the starting address of	Q2: What is the value of SI and DI after the
STR1 is 0100.	execution of the above code if the starting address
	of STR1 is 0100.
SI = 0105	
	$SI = _{\color{red}\mathbf{011B}}_{\color{red}\mathbf{011B}}$
DI = 0112	
DI	DI =_ 012B
	DIVIZD