4th Semester, Academic Year 2020-21

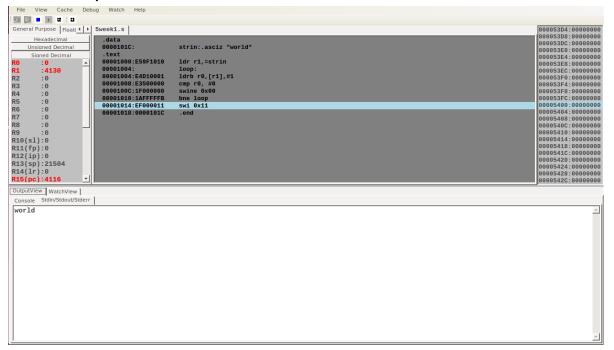
Date:

Name: OP JOY JEFFERSON	SRN: PES2UG19CS270	Section:E
Week#5	Program Number:	1

Write an ALP to display your name

```
I. ARM Assembly Code (1).
.data
strin:.asciz "world"
.text
ldr r1,=strin
loop:
ldrb r0,[r1],#1
cmp r0, #0
swine 0x00
bne loop
swi 0x11
.end
```

II. Output Screen Shot (Output Window and Memory Window)



III. Output Table for the program(1) world

4th Semester, Academic Year 2020-21

Date:

Name: OP JOY JEFFERSON	SRN: PES2UG19CS270	Section:E			
Week#5	Program Number:	_			
Write an ALP to find the length of a given string					

I. ARM Assembly Code (1).

data

str:.asciz "Hello World"

.text

LDR RO,=str

MOV R1,#0

LOOP: LDRB R2,[R0],#1

CMP R2,#0

BEQ EXIT

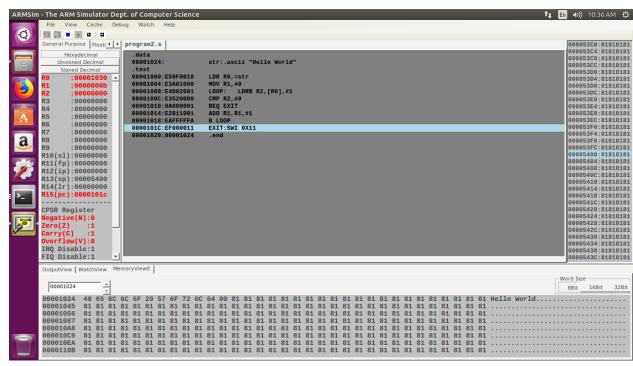
ADD R1,R1,#1

BLOOP

EXIT:SWI 0X11

.end

II. Output Screen Shot (One Example of your choice)



III. Output Table for the program(1) R5:0x03

4th Semester, Academic Year 2020-21

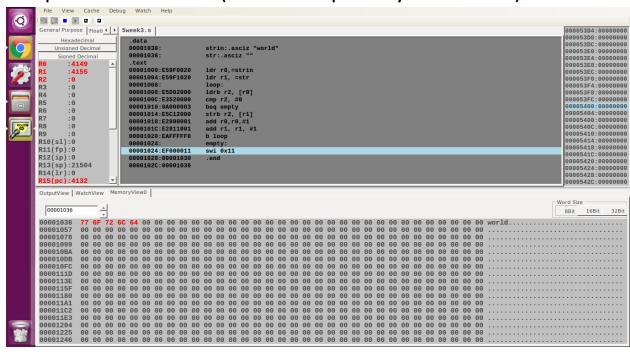
Date:

		Date.			
Name: OP JOY JEFFERSON		SRN: PES2UG19CS270	Section:		
_	5	Program Number: _			
	ite an ALP to copy s other	string from one locati	on to		
1.	ARM Assembly Codata strin:.asciz "world str:.asciz "" .text ldr r0,=strin ldr r1, =str loop: ldrb r2, [r0] cmp r2, #0	, ,			

beq empty

```
strb r2, [r1]
    add r0,r0,#1
    add r1, r1, #1
    b loop
empty:
    swi 0x11
.end
```

II. Output Screen Shot (One Example of your choice)



III. Output Table for the program(1) world

4th Semester, Academic Year 2020-21

	Date:				
Name: OP JOY JE	FFERSON	SRN:PES2UG	19CS270	Section:E	
Week#5	 LP to find	Program Nur		_	
Write an ALP to find whether a given character is present in a string. If present, find how many times the given character is present in a string.					
B:.asciz .text LDR R0, LDR R2, LDR R1, MOV R5	"Hello Wo "I" =A =B [R2]	rld"			

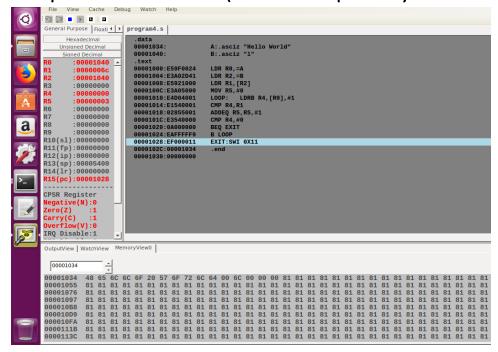
CMP R4,R1 ADDEQ R5,R5,#1 CMP R4,#0 BEQ EXIT

B LOOP

EXIT:SWI 0X11

.end

II. Output Screen Shot (One Example of your choice)



III. Output Table for the program(1)0X03 (Count of I).

Disclaimer:

- The programs and output submitted is duly written, verified and executed by me.
- I have not copied from any of my peers nor from the external resource such as internet.
- If found plagiarized, I will abide with the disciplinary action of the University.

Signature:Joy

Name: OP JOY JEFFERSON

SRN:PES2UG19CS270

Section: E