Microprocessor and Computer Architecture Laboratory UE19CS256

4th Semester, Academic Year 2020-21

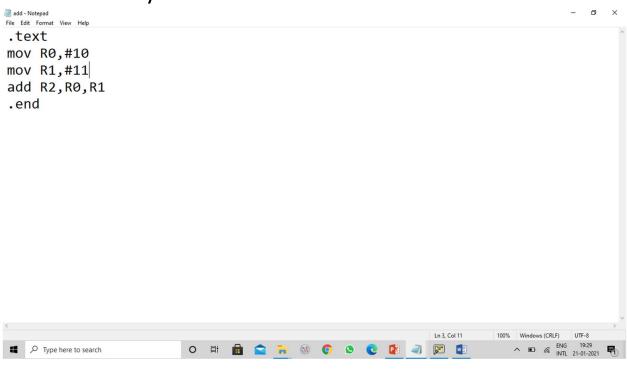
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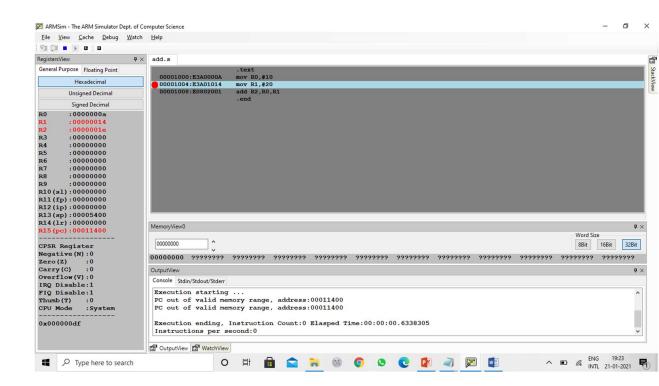
| Name: Achyut Jagini | SRN:PES2UG19CS013 | Section A |
|---------------------|-------------------|--------------|
| Week#1 | Program Numbe | r:1 |

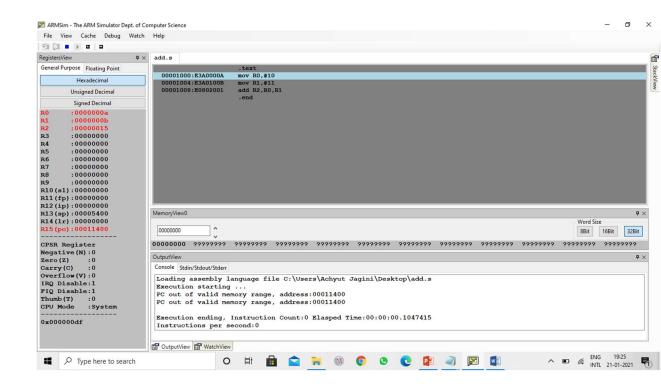
Title of the Program

Write an ALP using ARM instruction set to add and subtract two 32 bit numbers .Both numbers are in registers.

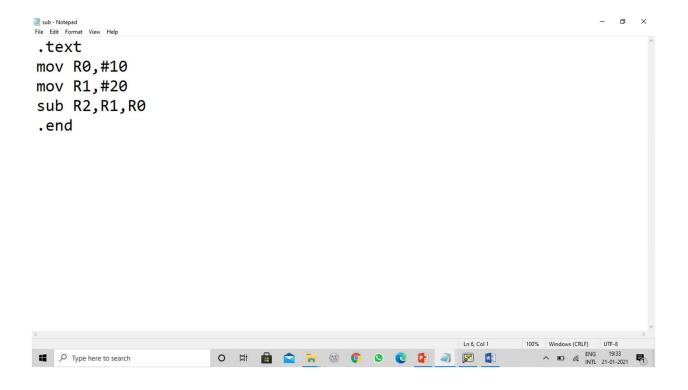
I. ARM Assembly code

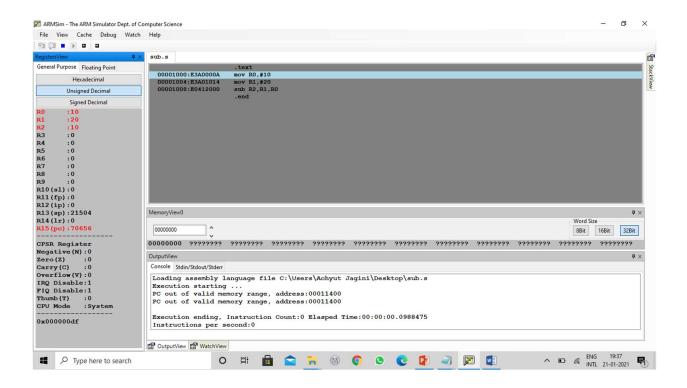






2.subtract





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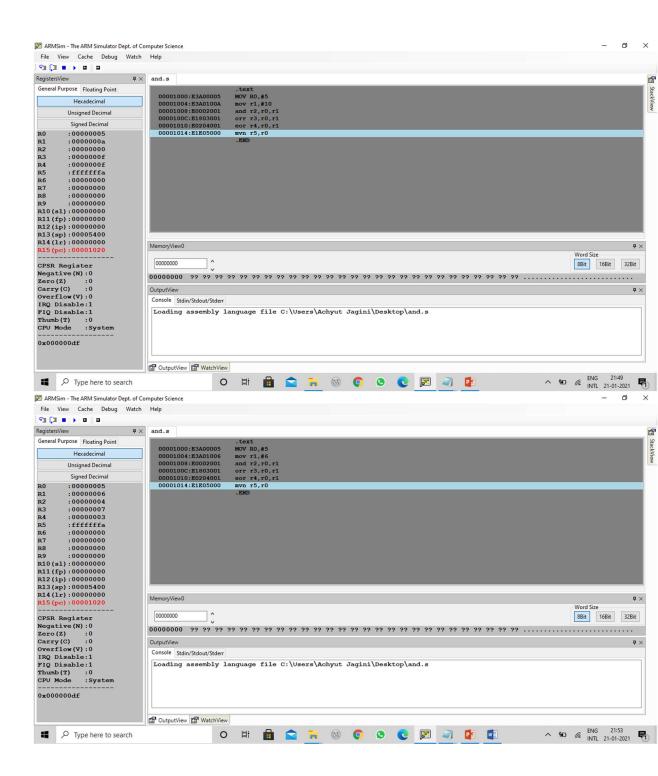
4th Semester, Academic Year 2020-21

Date:

| Name: Ac | hyut Jagini | | SRN:PES2UG19CS013 | Section A |
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| Week# | 1 | P | rogram Number:2 | 2 |
| | Title | of th | ne Program | |

Write an ALP to demonstrate logical operations. All operands are in registers.





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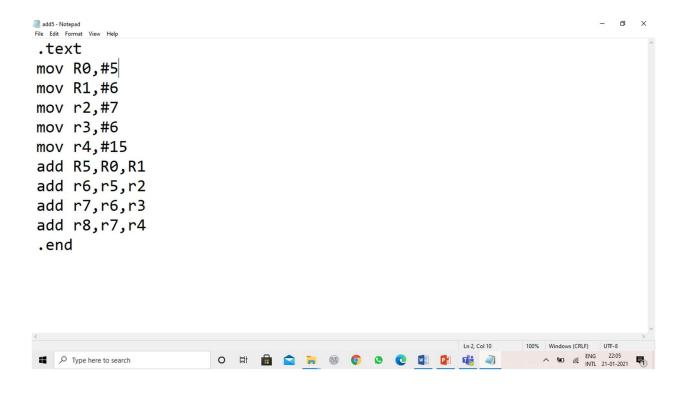
4th Semester, Academic Year 2020-21

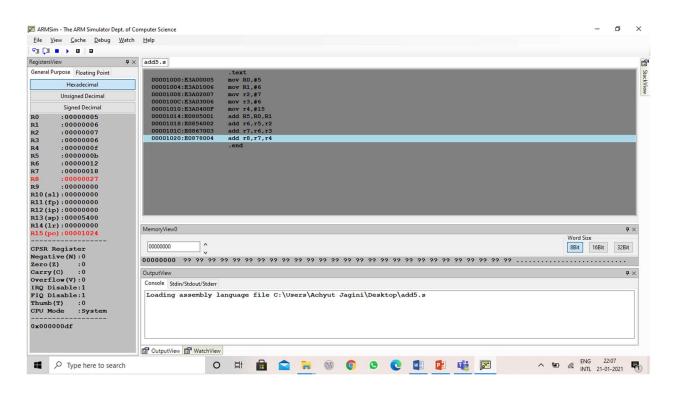
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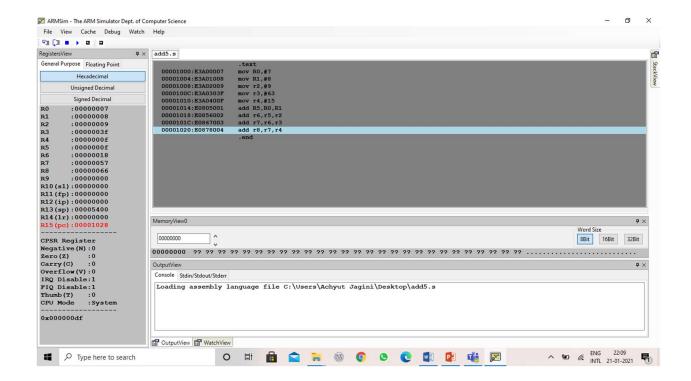
| Name: Achyut Jagini | SRN:PES2UG19CS013 | Section A | |
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| Week#1 Program Number:3 | | | |

Title of the Program

Write an ALP to add 5 numbers where values are present in registers.







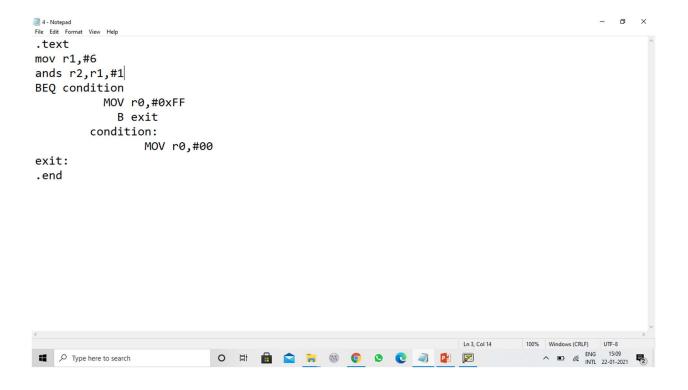
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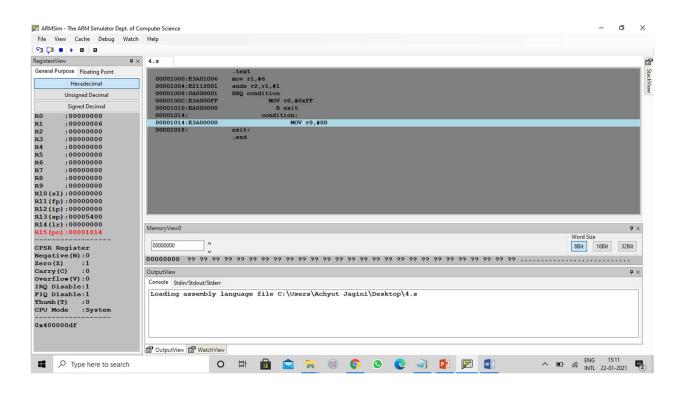
4th Semester, Academic Year 2020-21

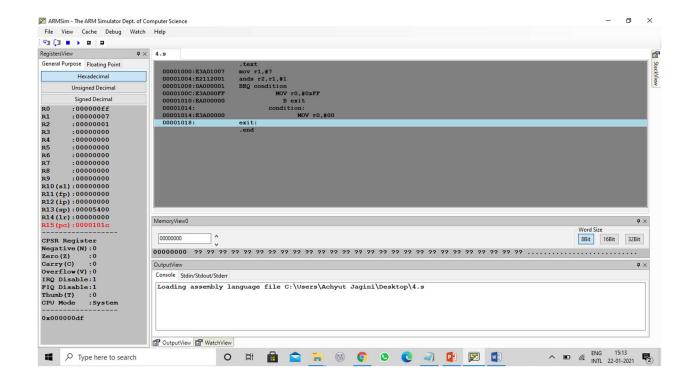
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| Name: Achyut Jagini | SRN:PES2UG19CS013 | Section |
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| Week# 1 P | Program Number: | 1 |
| vveex# | rogram Number. | † |
| Title of th | ne Program | |

Write an ALP using ARM instruction set to check if a number stored in a register is even or odd. If even, store 00 in R0, else store FF in R0







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:achyut

Name: Achyut Jagini

SRN:PES2UG19CS013

Section: A

Date:21/01/21