CS 211
LAB 1: Introduction to QtSpim
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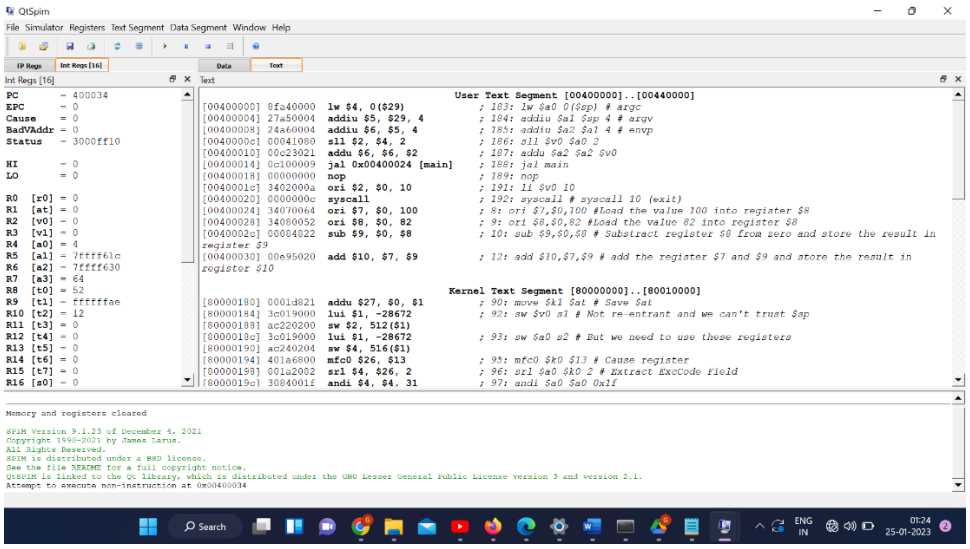
PART B

In this part, you will write MIPS assembly language programs to do the following exercises:

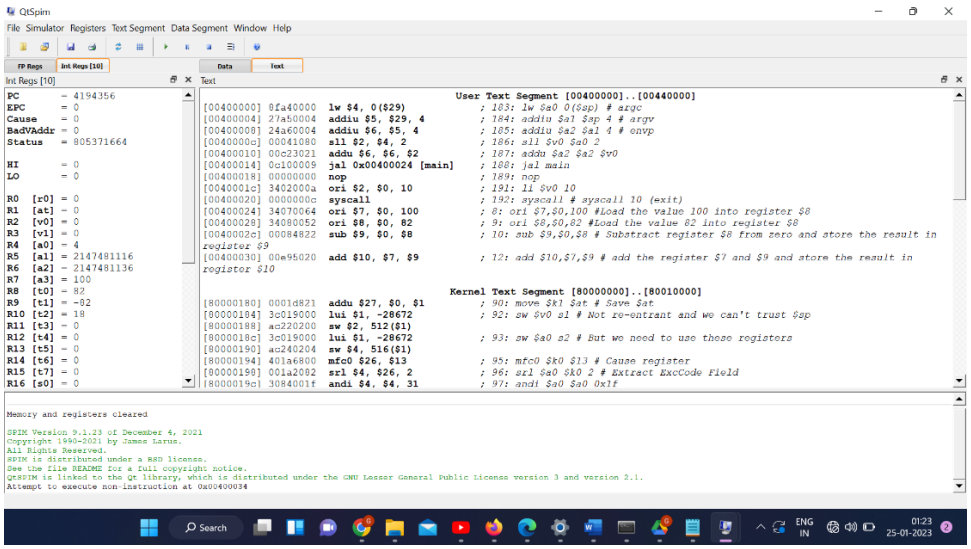
a) Add numbers 100 and -82 and store the result in register $10.(Hint: Find 2's complement of 82 and add it to 100)

ans. I attached a file of code, Here is The Output –

In Hexa Decimal –

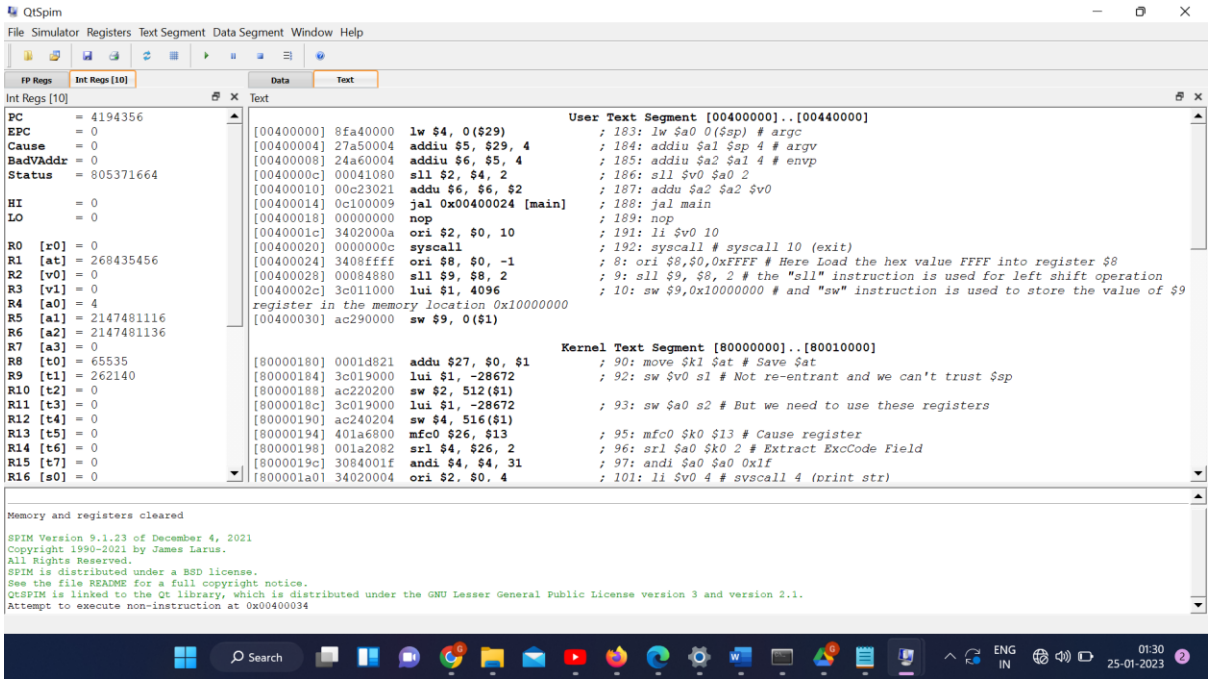


In Decimal -

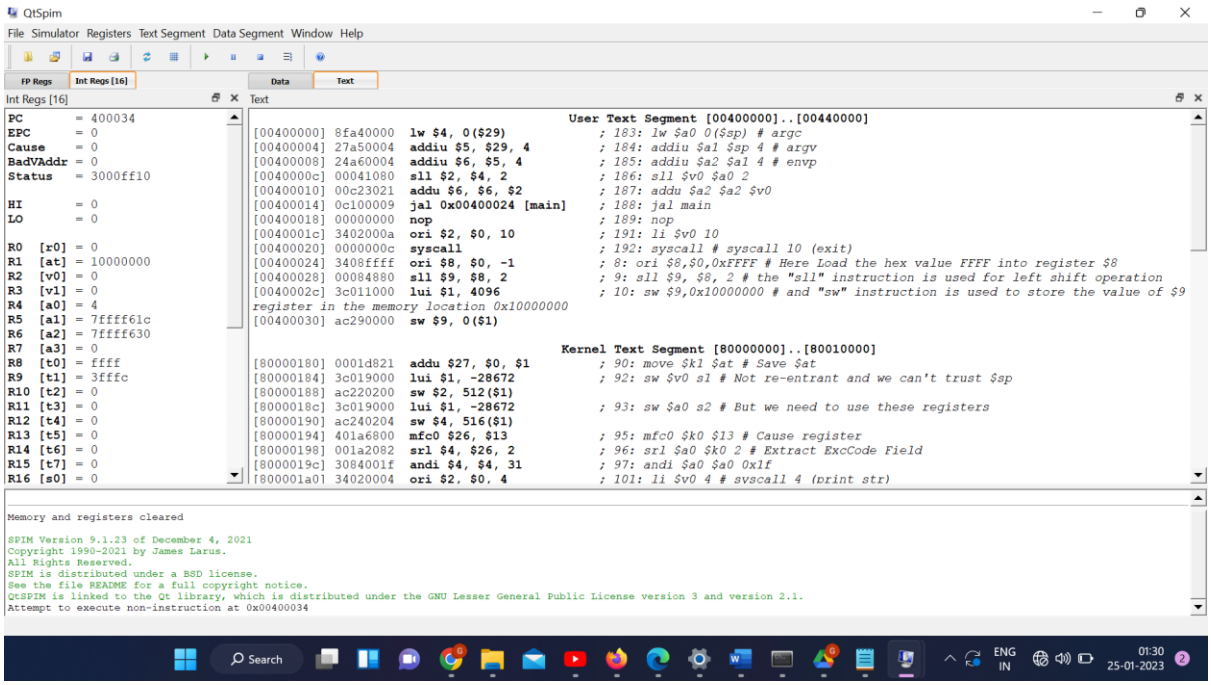


b) Store FFFF in $8. Left shift it 2 times and store the result in memory location 0x10000000.

In Decimal –

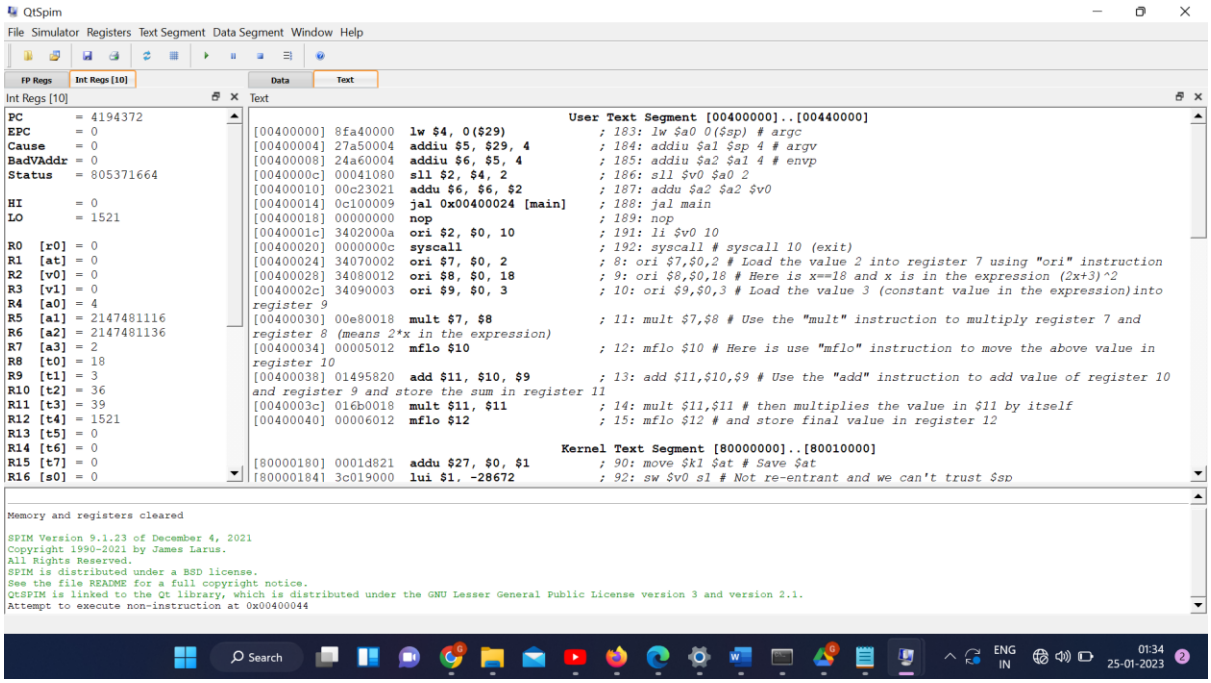


In Hexa Decimal –



c) Evaluate the expression (2x+3) 2 where x is the content in register $10 based on exercise (a). Store the result in register $13.

In Decimal –



In Hexa Decimal –