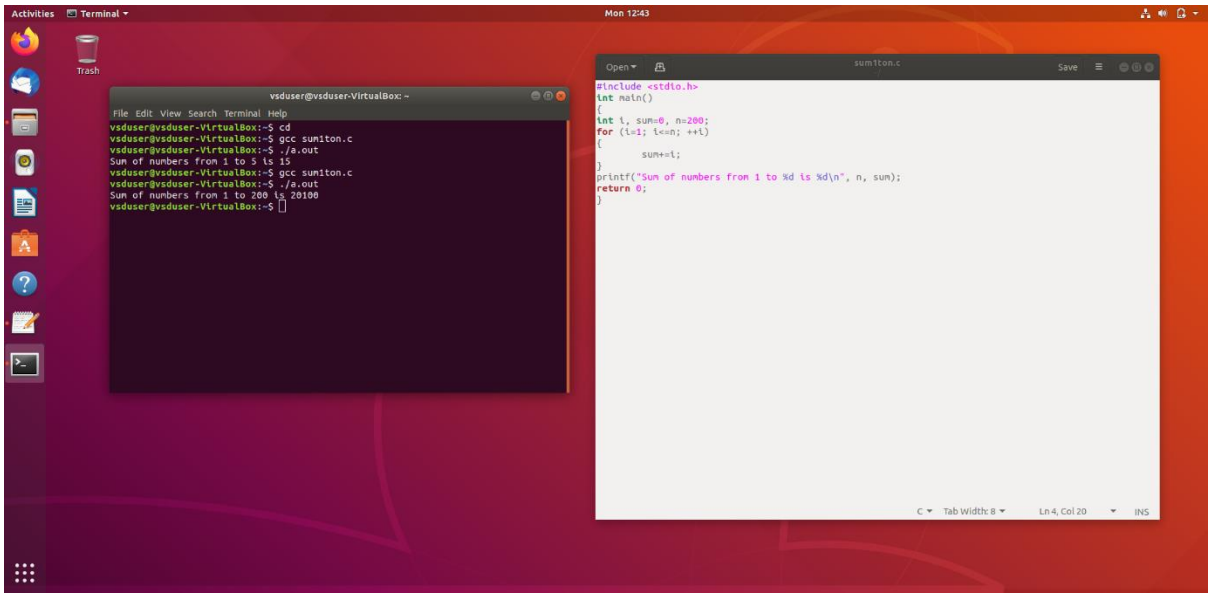
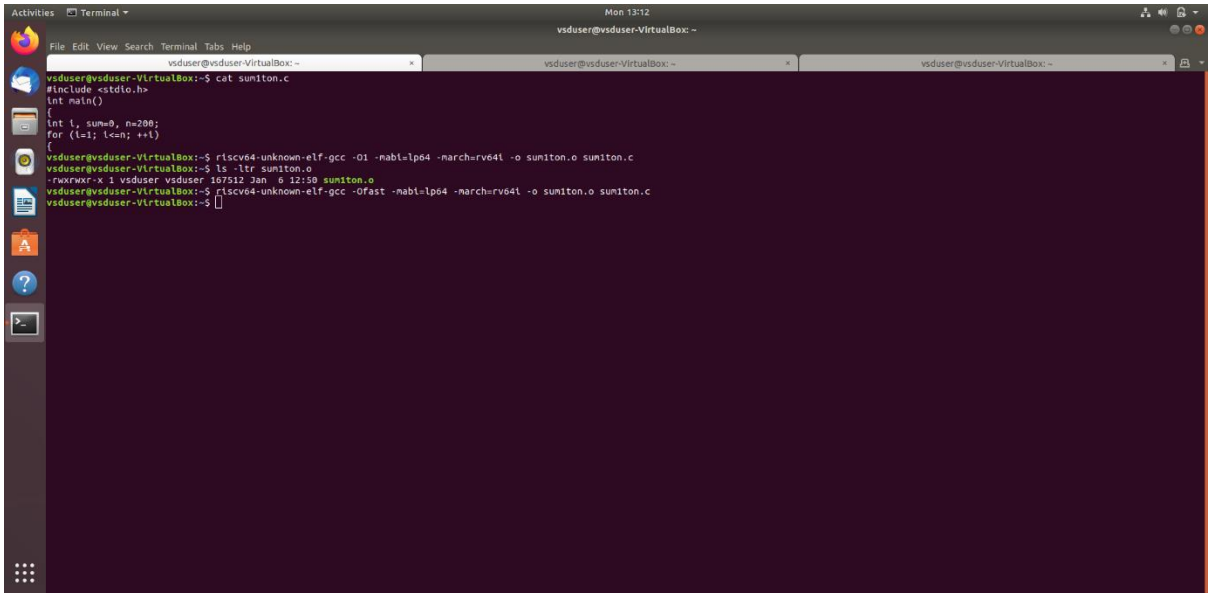
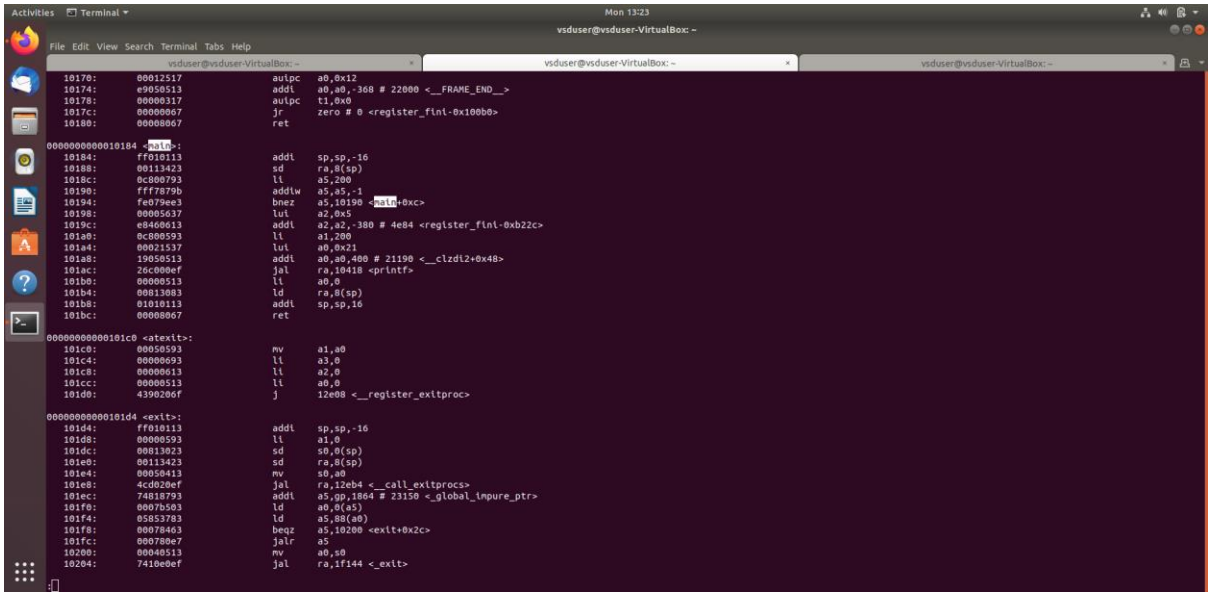
TASK 1



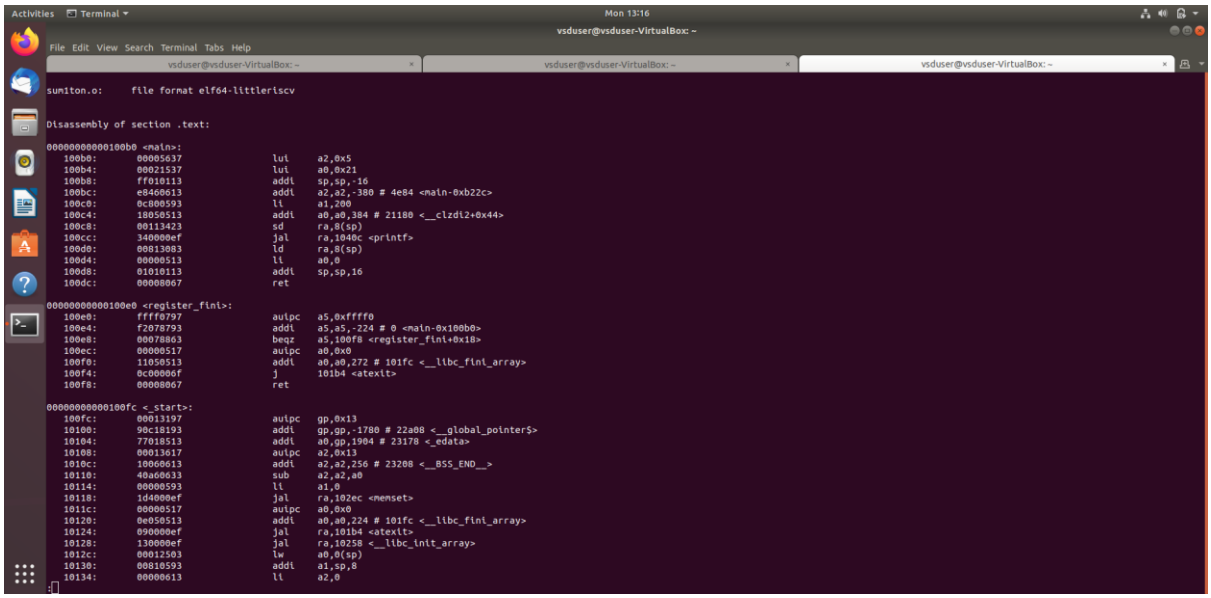
For the first task we wrote a C program to calculate sum of ‘n’ numbers and obtained the output. This was to compare the compilation of the program in gcc vs riscv.



Here we ran the same program on the risc-v processor and observed how the register is allocated for the data and how many bits of the register is occupied by the main program



The above picture shows the register allocation of the main program when port O1 was considered. We can see a difference of 4bits between each register that is each register can store upto 4bits of data.



The above picture shows the register allocation of the main program when port ‘Ofast’ was considered.