**Lab 3 – Conditional Execution**

1. Check whether number is positive or negative. Print on to the terminal “Positive!”, if the number is positive. Print “Negative”, if the number is negative.
2. Now also print the number itself with the positive or negative message. Example: Positive 55

HINT: CMP X3, #0 and B.GE Positive and B Negative

You can copy in the home directory ***add\_print\_int.s*** file into your directory, using command ***cp home/add\_print\_int.s add\_print\_int.s***

***Hello.s*** file is helpful to print the message on the terminal.

***add\_print\_int.s*** file is helpful to print integer on the terminal.

Linux commands to run assembly code:

# to open or create a file using nano editor

nano filename.s

# steps of compilation in assembly

# step-1: compile

as -o filename.o filename.s

# step-2: Link

ld -o programname filename.o

# step-3: run the compiled program

./programname