# Assignment 0.2

# Combining C and Assembly language programs

**1)** nasm –f elf64 add.asm:

In this command nasm means netwide assembler and -f gives the specific output file that is .o and elf64 is for which processor 64 processor and in last the add.asm is assembly language program which is converted into add.o

**2)** gcc –c  prog.add.c :

In this command gcc compile the .c file and give the output .o file.

**3)** gcc -no-pie –o ult_output prog-add.o add.o

This command compile the output files and give the ultimate output file that is ult_output. And pie is position independent executable which means that dynamically link the glibc by common OS to random address space.

**4)** ./ult_output

This is ultimate output of the program through this we can pass the values and get the out put