

LAB-2

Sir, I wrote all the questions in a single program. I hope this won't be a problem.
If needed I can rewrite all the code into different programs.

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root@kaiser:/home/School/Semester-4/Computer Organization and Design/labs/lab2# nasm -f elf ALU.asm
root@kaiser:/home/School/Semester-4/Computer Organization and Design/labs/lab2# ld -m elf_i386 ALU.o
root@kaiser:/home/School/Semester-4/Computer Organization and Design/labs/lab2# ./a.out
The 1st number is 200
The 2nd number is 100

The sum is:300
The difference is:100
The multiplication is:20000
The division is:2
The increment of 1st number is:201
The decrement of 1st number is:199
The AND operation is:64
The OR operation is:236
The XOR operation is:172
The Left shift by 3 bits of 1st number is:1600
The Right shift by 2 bits of 1st number is:50
root@kaiser:/home/School/Semester-4/Computer Organization and Design/labs/lab2# |
```

Compilation and execution of code