

Submission Instructions:

- Do not write anything in this pdf.
- Submit **.asm** code and **screenshot** in the **Homework Submission→Homework 5** folder. Rename the .asm and screenshot file according to your question number. (i.g- for question no 1, your file names should be **1.asm** and **1.jpg**)

Questions

1. Take an input of this following binary number in the AL register: 01010101. You can also define this number in the AL register as well. As discussed in the previous SHL code, now perform SHR operation in AL register. Your sample output should look like this-

Enter the binary value: 01010101

SHR by 4 bits: 101

2. Write an ASM code to input 2 numbers and print their sum. You should input 2digit num (e.g. 20,21,23 so on) and print the sum. Your sample output should look like this-

Enter num 1: 10

Enter num 2: 15

Sum: 25

3. Write an ASM code to input a number and print whether the number is positive, negative or zero. You should input 2digit num (e.g. 20,21,23 so on) and check them. Your sample output should look like this-

I. Enter an integer: 15

The integer is: P

II. Enter an integer: -15

The integer is: N