**Part I:**

**Part II:**

Brief Description:

The way I implemented my MIPS program was I first prompt the user to enter the 32-bit signed/magnitude binary number as a string. For the program to work properly, the user must enter all 32 bits of the signed binary number with spaces between for every 4 bits (ex: 0000 0000 0000 0000 0000 0000 0000 0000). After input, the program will read each character of the string to check if it’s valid signed binary number. A valid signed binary number can have 0’s, 1’s, and spaces. If the string is invalid, then the program will print out their invalid input and print out how it should look like with a small explanation, then re-prompts the user to enter their signed binary number. After the user entered a valid signed binary number, then the program will start converting the signed binary number to two’s complement format.