LAB #6 Flow Chart

Read in a string and convert it into a two’s complement binary integer and then print out the binary representation.

Start

int = 0
flag = 0

Read Next

flag = 1

is char == \0

is char == "-

digit = char - 48
int = int x 10 + digit

is flag == 1

int = ! int
int = int + 1

MASKptr = 1st MASK address
count = 15

is count < 0

Load MASK
digit = int AND MASK

is digit == 0

Print “0”

Print “1”

MASKptr = MASKptr + 1
count = count -1

End

Note: This flow chart assumes the string is valid and ends with a NULL character