

# If/Else If/Else (Labs 4/5 - Work in Teams of 2 or 3)

Draw a flowchart for the following program, *then* code it (making changes later is fine).

Include a thorough list of **test cases** with your flowchart that test **all branches** of it.

IT IS HIGHLY ADVISED TO TEST LAB 4 ON PAPER/FLOWCHART BEFORE CONTINUING TO LAB 5, AND HAVE IT CHECKED IF IN CLASS AT THE TIME.

Create a program that asks the user to enter an integer.

If it is even:

- Print whether or not it is divisible by both 5 and 3 (i.e. "Is div. by 5&3" or "Isn't div. by 5&3").

If it is odd:

- Print whether or not it is negative

Whether it is even or odd print whether it is between -100 and 100 inclusive (-100 and 100 are in the range).

Note: Zero is even and is not negative.

**Your program must correspond to your flowchart (Lab 5)**

*You will receive credit for Lab 4 with a correct flowchart, and for Lab 5 with a working program that corresponds to your flowchart.*

**Be sure to join your group on GitHub Classroom BEFORE working on it. No solo work please.**