

### Programming Exercise 3B

**NOTE:** All programs that you write must have comments at the top with 1) the program name, 2) your name, and 3) a sentence describing what the program does.

1. Create a program called **Program3B1** that will do the following
  - Ask the user to enter an unknown set of integers, and stop when they enter 9999
  - Add up all the even numbers.
  - After the loop, print the sum of the even numbers with a label.
2. Create a program called **Program3B2** that will ask the user for two integers. The first number should be larger than the second.
  - Write a while loop that will keep looping and asking the user to re-enter the numbers if the second number is larger than the first.
  - After the while loop has finished, it should print "We have 10's!" if any of the following things are true:
    - If either number is divisible by 10
    - If their sum or their difference is divisible by 10.
  - If none of those things are true, it should print "No 10's here."
3. Create a program called **Program3B3** that will roll two dice 5 times and keep the largest roll.
  - Set up a loop to run 5 times. In the loop:
    - Set two variables each equal to a random number between 1 & 6. (They should each have their own random number.)
    - Print the two values on one line with a label
    - Add the two dice together.
    - Keep track of the largest sum as you loop
  - After the loop, print the largest sum with a label.