

In this homework, you need to write programs using loops. If that is not mentioned to use which type of loop, you can decide yourself. Write each program in Wing environment, and save it as a separate ".py" file. Zip all of the files together, or upload them separately on the Blackboard. Run and check your programs carefully before submitting them.

1. Write a program that asks the user to enter two numbers a and b . Then, the program calculates the sum of all odd numbers between a and b (inclusive). You need to call the input function twice the get a and b . You need to write this program using a **while loop**.
2. Write a program that asks the user to enter two numbers a and b , and prints all positive numbers that are **divisible by a** and are **less than b** . For example, if b is 100 and a is 10, print 10 20 30 40 50 60 70 80 90.
3. Write a program that asks the user for 5 numbers (one at a time) and prints the square root of the number.