CST-105: Programming Exercise 6

1. Review the Rubric for this assignment before beginning work. Be sure you are familiar with the criteria for successful completion. The rubric link can be found in Loud Cloud under the assignment.

2. For this assignment, you will create 3 flowcharts:

   a. A flowchart for a program that loops over the first 100,000 positive integers and reports whether or not the integer is a palindromic prime number. A palindromic prime is a number that is both prime and a palindrome, such as 191 and 11. Assume that you have a method that returns true if the number is a prime and false otherwise. Assume that you also have a method that returns true if a number is palindromic and false otherwise.

   b. A flowchart for a method that determines whether or not a number is palindromic.

   c. A flowchart for a method that determines whether or not a number is prime. A prime number has exactly 2 factors – itself and 1.

3. Submit your flowcharts as .png files. Other formats will not be accepted. Be sure you include a title for each flowchart and have your name and statement of independent work on every file you submit.

   Submit the following in Loud Cloud:

   • Your .png files containing the requested flowcharts