

Math 79, Coding 2

Instructor: Dr. Fred Park

1. Write a function handle f for a quadratic polynomial. Plot the polynomial.
2. Write a “for” loop that outputs each number from 1 to 10.
3. Write a “for” loop that sums the numbers from 1 to N , where N is input chosen by the user.
4. Write a “for” loop that takes a product of the numbers from 1 to N , where N is input chosen by the user.
5. Sum all of the numbers from 1 to 100 in two different ways. Using your code. And then by adding two appropriately chosen vectors and then summing the entries.
6. What is the “randi” function do?
7. Write a script that uses the randi function and calculate the probabilities for the coin flip problem with 2 coins, 4 coins, and N coins. Here, N is input by the user.