Primality Function

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In order to run the my primality function, I have to call it and put a number in the parentheses. That number is then run through the loop. If the number is greater than 1, then it goes through the for loop. Within the for loop, it runs through the modular function that checks to see if the number is a multiple of anything other than 1 and itself. If it is, then the program prints false and stops the program. If not, then the program prints true and stops. If the number is less than 1 then it automatically prints false since 1 and 0 are not primes.

To check for the nth prime, I had to create a conditional loop for the numbers to go through that calls in the prime check function to check if the number is prime. Since we are not using 1 and 0, I set the first number to check at 2 and set prime to equal False so it jumps into the second conditional loop where the function is called. Once this number is checked, if it is prime it is appended to the prime list, and we add one to the original check variable so the next number can be checked. This loop continues until the list length is equal to the numprimes variable and then a statement with the list of the nth primes is printed.