

Project 1

Write a java program to compute all prime numbers less than equal to a given integer N using the algorithm "Sieve of Eratosthenes".

The Sieve of Eratosthenes is a method used to compute all primes less than N. We begin by making a table of integers 2 to N. We find the smallest integer, i that is not crossed out, print i, and cross out i, 2i, 3i,When i is $> \sqrt{N}$, the algorithm terminates.

Prompt the user to give an integer value of N and print all primes up till N using the above algorithm on screen.