POTD53.1. Problem of the Day #53

Download and Extract

An initial setup of files is provided to you via a shell script: Download potd-q53

Using a terminal, extract the initial files by running the shell script you just downloaded (you will need to navigate to the directory where you saved the file):

```
sh potd-q53.sh
```

Your files for this problem will be in the `potd-q53` directory.

The Problem

Write a function `vector<int> *genPrimes(int M)` that returns a pointer to a vector of prime numbers from 2 to `M`.

There are several algorithms to do this, but the Sieve of Eranthoses is the most common one.

There is a `main.cpp` that tests this. Sample run:

```
The 3rd prime is 5
The 100th prime is 541
The largest prime below 1000 is 997
```

Upload Solution

Drop files here or click to upload.

Only the files listed below will be accepted—others will be ignored.

Files

Primes.cpp
uploaded

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POTD 53

Total points:	1/1
Score:	100%

Question

Value:	1
History:	1
Awarded points:	1/1

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Submitted answer correct: 100%

Submitted at 2019-04-15 01:05:32 (CDT)

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Files

Primes.cpp

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Test Results

[1/1] **Does it work?**