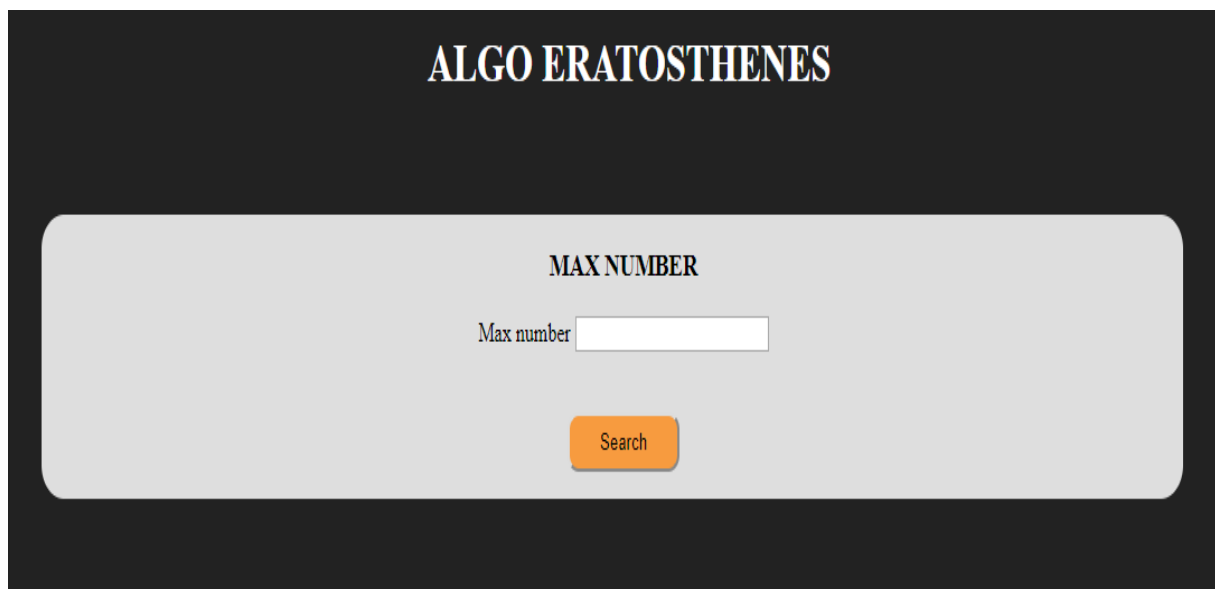


ASSIGNMENT V

In the assignment V it was asked to us to write a program that get a number as input from user than show all prime numbers between two and this given number using the Sieve of Eratosthenes.

To realise this application I have used PHP and to realise the graphic interfaces I have combined PHP with html. The application can be used in any web browser if it is combining with a web local server. In my case I have used WAMPSERVER. The applications that I have developed have three interfaces:

- The first one is getting the number from the user.



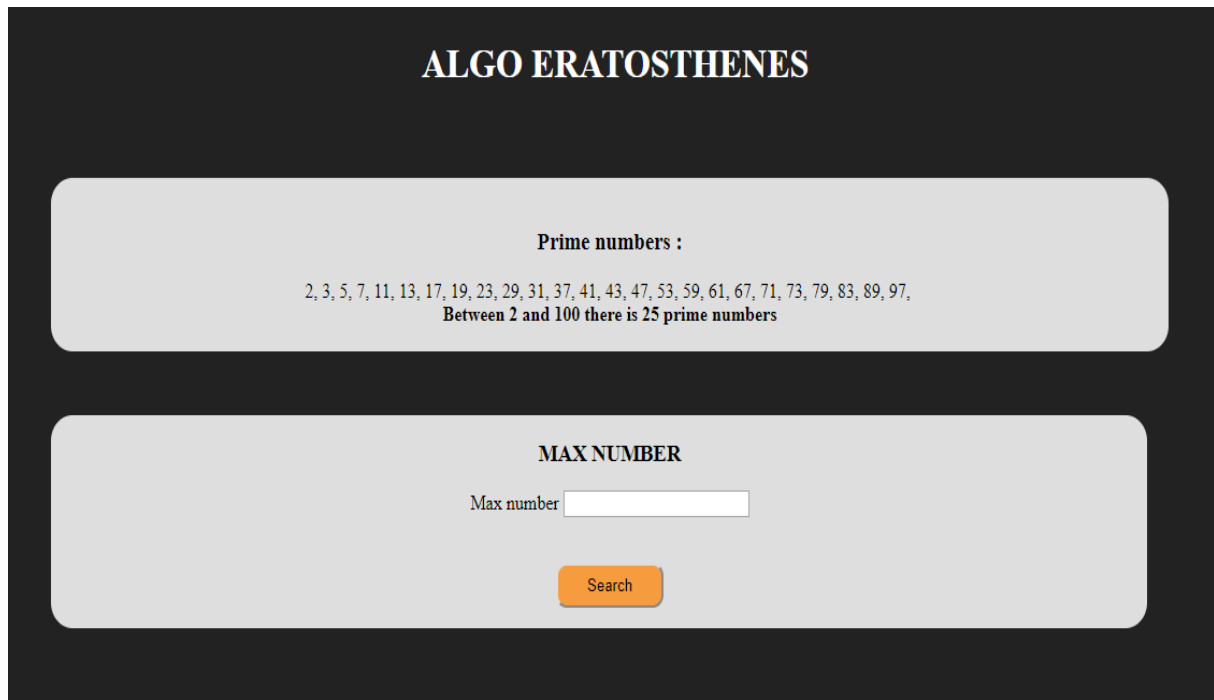
ALGO ERATOSTHENES

MAX NUMBER

Max number

Search

- The second interface is showing the result using the Sieve of Eratosthenes and it is giving the possibility to do another operation.



The screenshot shows a web application titled "ALGO ERATOSTHENES" on a dark background. It features two light gray rounded rectangular boxes. The top box displays the results of the sieve: "Prime numbers :" followed by a list of prime numbers from 2 to 97, and a summary statement: "Between 2 and 100 there is 25 prime numbers". The bottom box is for user input, titled "MAX NUMBER", and contains a text input field labeled "Max number" and an orange "Search" button.

ALGO ERATOSTHENES

Prime numbers :

2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97,
Between 2 and 100 there is 25 prime numbers

MAX NUMBER

Max number

Search

You will find join with this document the different two pages codes of this application.

- Index.php : it is taking the number provides by the user and send it to determine.php.
- determine.php: it is getting the number from index.php, verifying if the number is greater than 1 and using the Sieve of Eratosthenes to find out all prime numbers between 2 and the given number. It also gives the possibility to do another operation.