


**CSE203- Web Programming 1**  
**TOROS UNIVERSITY**  
**COMPUTER AND SOFTWARE ENGINEERING DEPARTRMENT**  
**Term Project**

Design an online calculator using HTML, CSS and JavaScript in three different sections to perform the following operation:

**Home Page:**

<b>Online Calculator</b>	
<div style="background-color: #4a7ebb; color: white; padding: 5px; display: flex; justify-content: space-around; border-radius: 10px;"><span>Standard</span><span>Programmer</span><span>Scientifi</span></div> <div style="text-align: center; margin-top: 20px;"></div>	

The webpage includes 3 different menus as standard, programmer and scientific. By clicking on each menu, the corresponding calculator should be shown.

### Standard should perform:

- Addition, multiplication, subtraction, division and reminder (+,\*,-,/,%)
- Producing random numbers
- Finding total number of digits for a given input
- A decimal point button
- Calculating the total number of digits after and before decimal point
- Reset
- Delete operation

Standard

+

-

\*

/

%

Random

Total Number of Digit

Decimal Point

After Decimal

Before Decimal

Reset

Delete

### Programmer should perform:

- Binary to decimal
- Decimal to binary
- Hex to decimal
- Decimal to hex
- Reset
- Delete operation

Programmer

Binary to Decimal

Decimal to Binary

Hex to Decimal

Decimal to Hex

Reset

Delete

### Scientific should perform:

- Sin, cos, tanh, exp,  $x^n$ , log
- Checking the validity of each input
- Calculate factorial n
- Changing sign
- Reset
- Delete operation

Scientific

Sin

COS

Tanh

exp

$X^n$

Log

N!

Changing sign

Validity of each input

Reset

Delete

**Due to 25.01.2021**

**You should prepare a video related to your project and submit the project and video to GoogleClassroom. Copy projects will be punished. You can submit your project by joining the Web Programming course using the lcdocbe code. If you cannot join using a code, you can use the following invitation link:**

**<https://classroom.google.com/c/MjIwNDc0NTA2Njc3?cjc=lcdocbe>**