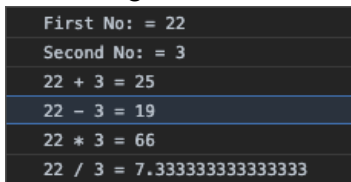


Faculty of Information and Communication Technology

ITCS212 Web Programming JavaScript: Lab-L04 -1

Basic Calculator

1. Create a program to calculate the results from 2 given numbers using 4 operations as shown in the below image

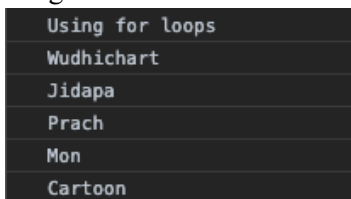


```
First No: = 22
Second No: = 3
22 + 3 = 25
22 - 3 = 19
22 * 3 = 66
22 / 3 = 7.333333333333333
```

2. Save the file with the name “BasicCalculator.html”

Basic Loop

1. Create a program that can print your friends from an array using for loop as shown in the below image



```
Using for loops
Wudhichart
Jidapa
Prach
Mon
Cartoon
```

2. Save the file with the name “BasicLoop.html”

Fibonacci

1. Create a program to print Fibonacci sequence to a given number. The Fibonacci Sequence is the series of numbers: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, ...

```
Using while loops
Fibonacci series less than 40
0
1
2
3
5
8
13
21
34
```

2. Save the file with the name “Fibonacci.html”

Array Methods

1. Create a program to use the array methods as follows: sort, reverse, pop, push
2. Use the following code as a starting point

```
<html>

<head>
  <title>Arrays!!!</title>
  <script type="text/javascript">
    var friends = new Array(//Your list of friends);
    Array.prototype.displayItems = function () {
      for (i = 0; i < this.length; i++) {
        console.log(this[i] + "");
      }
    }
    //Your code here
  </script>
</head>

<body>
</body>

</html>
```

3. The output will be as the below image. Note that the name list will be your friends' name.

```
Friends array
Wudhichart
Jidapa
Prach
Mon
Cartoon
The number of items in friends array is 5
The SORTED friends array
Cartoon
Jidapa
Mon
Prach
Wudhichart
The REVERSED friends array
Wudhichart
Prach
Mon
Jidapa
Cartoon
The friends array after REMOVING the LAST item
Wudhichart
Prach
Mon
Jidapa
The friends array after PUSH
Wudhichart
Prach
Mon
Jidapa
New Friend
```

4. Save the file with the name “Arrays.html”

Submission

Submission: Please zip all your works into one zip file namely “**Lab-L04-1-[Section]-[StudentID].zip**” and submit to the activity submission on Mycourses. For example, if your id is 6588999 and you are in the section 2, your file name will be **Lab-L04-1-2-6588999.zip**.

Note that if the file name in the incorrect format, your score will be deduced.