### JavaScript Assignment 1

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COMP 1073: Client-Side JavaScript

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#### Screenshots of code

```
o index.html X
⋈ Welcome

    index.html > 
    html > 
    style > 
    p

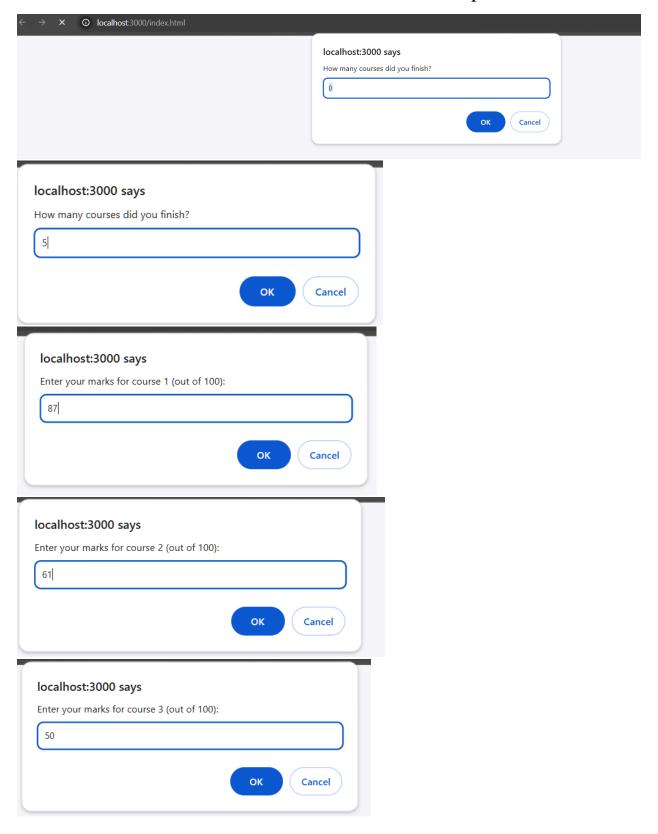
   1 <!DOCTYPE html>
       <html lang="en">
            <meta charset="UTF-8">
            <meta name="viewport" content="width=device-width, initial-scale=1.0">
            <title>Course Marks Input</title>
            body {
                 font-family: Arial, sans-serif; background-color: ■#f4f4f9;
                 margin: 0;
                 padding: 20px;
color: □#333;
                 font-size: 24px;
                 margin-bottom: 10px;
                 font-size: 18px;
                 line-height: 1.6;
margin-top: 10px;
                 transition: all 0.3s ease;
            ul {
                 padding-left: 0;
                 font-size: 18px;
                 margin-bottom: 5px;
```

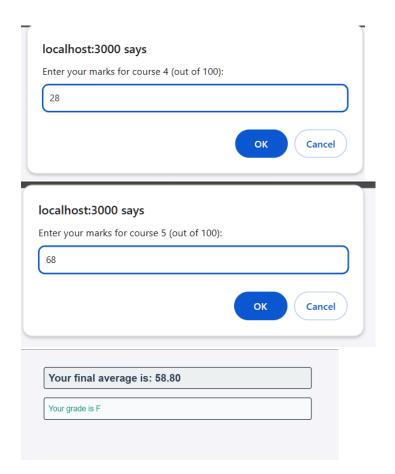
```
√ Welcome

                  o index.html ×
       <html lang="en">
                    transition: transform 0.3s ease;
                   border: 2px solid □#2c3e50;
                   padding: 10px;
border-radius: 5px;
background-color: ■#ecf0f1;
                   width: 80%;
                   max-width: 600px;
                    margin: 20px auto;
                    background-color: ■#f9fafb;
                    color: ■#16a085;
                   background-color: ■#eafaf1;
color: ■#27ae60;
font-weight: bold;
                   background-color: ■#dfe6e9; color: □#2c3e50;
                   cursor: pointer;
                   transform: scale(1.05);
                 index.html X
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2 <html lang="en">
8 <style>
                  /*priprimpt the user for the number of courses
let numOfCourses = prompt("How many courses did you finish?", "0");
                  // Convert input to integer
numOfCourses = parseInt(numOfCourses);
                  if (isNaN(numOfCourses) || numOfCourses <= 0) {
                       // Printing invalid input message and ending the program
document.write("Invalid Input!");
document.write("The end!");
                       // Joeclare an empty array for course marks and a variable to hold the total let courseMarks = []; // declare an empty array
                       let total = 0;
```

```
<html lang="en">
            // Nested functions: prompt() -> convert to number -> push to array let mark = parseFloat(prompt("Enter your marks for course " + i + " (out of 100):"));
                courseMarks.push(mark); // Add the mark to the array
total += mark; // Add the mark to the total
             let average = total / numOfCourses;
            // Round the average to 2 decimal places
average = average.toFixed(2); // The `toFixed(2)` method rounds the number to 2 decimal places and returns it as a string.
            // Displays the average and grade based on conditions
document.write("<h3>Your final average is: " + average + "</h3>");
            if (average >= 90 && average <= 100) {
   document.write("<p>YOur grade is A+");
} else if (average >= 80 && average < 90) {
   document.write("<p>YOur grade is B");
             } else if (average >= 70 && average < 80) {
             document.write("Your grade is C");
} else if (average >= 60 && average < 70) {
   document.write("<p>Your grade is D");
             } else if (average < 60) {
                 document.write("Sorry, all the marks have to be from minimum 0 to maximum 100!");
                    if (average >= 90 && average <= 100) {
                         document.write("Your grade is A+");
                    } else if (average >= 80 && average < 90) {
                         document.write("Your grade is B");
                    } else if (average >= 70 && average < 80) {
                         document.write("Your grade is C");
                    } else if (average >= 60 && average < 70) {
                         document.write("Your grade is D");
                    } else if (average < 60) {
                         document.write("Your grade is F");
                         document.write("Sorry, all the marks have to be from minimum 0 to maximum 100!");
```

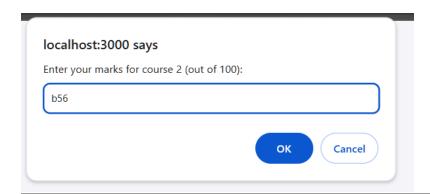
# Screenshots of the browser/output





# If we put value other than numeric value





## Your final average is: NaN

Sorry, all the marks have to be from minimum 0 to maximum 100!