



## **PROGRAMMING 1 (PRG15xS)**

### **Task List – Week 4**

#### **Topic Modularization**

1. Review the 11-minute Video on Modularization (Under the Week 4 Folder)
2. Test the html / javascript solution to the Week 3 Exercise (Exercises under Week 3 Folder)
  - a. In addition to this, review the video also under Week 3 folder, explaining the solution to Exercise 1 – TotalCost calculation.
3. New Exercise – Complete the code for Week 4 Exercise (See Exercise under Week 4 Folder)

#### Week 4 Exercise – Functions

Give the javascript / HTML code below, and complete the code by adding the missing functions so that the program performs all four operations (addition, multiplication, subtraction and division)

```
<!DOCTYPE html>
<html>
  <head> </head>
  <body>
    <h2>Calculator</h2>
    <label for="N1">Number1</label>
    <INPUT TYPE="number" ID="N1" VALUE="" /> <br/>
    <label for="N2">Number2</label>
    <INPUT TYPE="number" ID="N2" VALUE="" /> <br/>

    <INPUT TYPE = "button" Value = "Add" onclick = "Addition()">
    <INPUT TYPE = "button" Value = "Subtract" onclick = "Subtraction()">
    <INPUT TYPE = "button" Value = "Multiply" onclick = "Multiplication()">
    <INPUT TYPE = "button" Value = "Divide" onclick = "Division()"> <br/>
    <p ID="Reslt"> **** </p>

    <script>
    function Addition(){
      var num1 = 0;
      var num2 = 0;
      var result = 0;
      num1 = parseInt(document.getElementById("N1").value);
      num2 = parseInt(document.getElementById("N2").value);
      result = num1 + num2;
      document.getElementById("Reslt").innerHTML = "Result" + result;
    }

    //Complete the rest of the code by adding functions
    //for Subtraction, Multiplication and Division

    </script>
  </body>
</html>
```

