

# A2 – BASIC JAVASCRIPT

- S. Vishakan CSE – C 18 5001 196

## HTML Code:

```
<!DOCTYPE HTML>
<html>

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width = device-width">
  <title>Grade Calculator</title>
  <link rel="stylesheet" href="styles.css">
</head>

<body>

  <h1>Grade Calculator Using JavaScript</h1>

  <hr><br>

  <table id = "report" align = "center">
    <thead>
      <tr>
        <th>Name</th>
        <th>Marks</th>
        <th>Grade</th>
      </tr>
    </thead>

    <tbody>
    </tbody>
  </table>

  <footer>
    Done By: S Vishakan, 18 5001 196, CSE - C
  </footer>

  <script src = "script.js"></script>

</body>

</html>
```

## JavaScript Code:

```
var mark, studentName, grade, i = 1;
var table = document.getElementById("report");

while(i < 6){
    studentName = prompt("Please enter Student " + i + "'s name.");
    mark = prompt("Please enter Student " + i + "'s mark.");
    mark = parseInt(mark);
    i++;

    if(mark > 90){
        grade = "A";
    }
    else if(mark > 80){
        grade = "B";
    }
    else if(mark > 70){
        grade = "C";
    }
    else if(mark > 60){
        grade = "D";
    }
    else if(mark > 50){
        grade = "E";
    }
    else{
        grade = "F";
    }

    //To insert a table row and cells into the row
    //and populate the table with the values obtained
    var row = table.insertRow(i - 1);
    var cellName = row.insertCell(0);
    var cellMark = row.insertCell(1);
    var cellGrade = row.insertCell(2);

    cellName.innerHTML = studentName;
    cellMark.innerHTML = mark;
    cellGrade.innerHTML = grade;
}
```

## CSS Code:

```
body{
    background-color: blanchedalmond;
}

h1{
    color: orangered;
    text-align: center;
}

table, th, td{
    border: 2px solid black;
    width: 50%;
    border-collapse: collapse;
    text-align: center;
    height: 70px;
}

th{
    padding: 20px;
    font-size: 35px;
    color: hotpink;
}

td{
    padding: 20px;
    font-size: 25px;
}

tr:hover{
    background-color: aliceblue;
    font-weight: bold;
}

footer{
    border-top: 1px solid black;
    background-color: azure;
    position: fixed;
    left: 0;
    bottom: 0;
    width: 100%;
    text-align: center;
    font-size: 25px;
    font-weight: bold;
}
```

**Output:**

**Grade Calculator Using JavaScript**

Name	Marks	Grade
Magnus	100	A
Hikaru	89	B
Wesley	78	C
Vidit	67	D
Dubov	56	E