```html
1   <!DOCTYPE html>
2   <html lang="en">
3
4   <head>
5       <meta charset="UTF-8">
6       <meta name="viewport" content="width=device-width, initial-scale=1.0">
7       <title>Grades</title>
8       <style>
9           body {
10              font-family: Verdana;
11              margin-left: 30px;
12          }
13
14          input {
15              margin-left: 30px;
16              padding: 20px;
17              height: 40px;
18              width: 150px;
19              border-radius: 450px;
20              font-size: 40px;
21              background-color: ▪aqua;
22          }
23
24          button {
25              height: 60px;
26              width: 150px;
27              border-radius: 30px;
28              margin-left: 50px;
29              font-size: 25px;
30              background-color: ▫aquamarine;
31          }
```

```css
    .box-1 {
        height: 100px;
        display: flex;
        align-items: center;
    }

    h2 {
        font-size: 50px;
    }

    h2 span {
        text-decoration: underline;
        color: rgb(9, 95, 253);
    }
</style>

</head>

<body>

    <h1>Enter Percentage to See Your Grades</h1>
    <div class="box-1">
        <label style="font-size: 40px;">Persentage:</label>
        <input type="number" id="percentage">
        <button id="button" onclick="gradecalculator()">GRADE</button>
    </div>
    <div>
        <h2 id="grade"></h2>
    </div>
```

```html
    <script>
        function gradecalculator() {
            let grade = parseFloat(document.getElementById("percentage").value);
            const setgrade = document.getElementById("grade");
            switch (true) {
                case (grade < 35):
                    setgrade.innerHTML = "Grade: <span>F</span> Fail";
                    break;
                case (grade <= 50):
                    setgrade.innerHTML = "Grade: <span>C</span> Avarage";
                    break;
                case (grade <= 60):
                    setgrade.innerHTML = "Grade: <span>B</span> Good";
                    break;
                case (grade <= 80):
                    setgrade.innerHTML = "Grade: <span>A</span> First Class";
                    break;
                case (grade <= 100):
                    setgrade.innerHTML = "Grade: <span>A+</span> Excellent";
                    break;
                default:
                    setgrade.innerHTML = "Enter Valid Percentage";

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

Enter Percentage to See Your Grades

Persentage: 30 GRADE

Grade: F Fail

Enter Percentage to See Your Grades

Persentage: 60 GRADE

Grade: B Good

Enter Percentage to See Your Grades

Persentage: 35 GRADE

Grade: C Avarage

Enter Percentage to See Your Grades

Persentage: 90   GRADE

Grade: A+ Excellent

Enter Percentage to See Your Grades

Persentage: 75 GRADE

Grade: A First Class

Enter Percentage to See Your Grades

Persentage: 102 GRADE

Enter Valid Percentage

```css
    .box-1 {
        height: 100px;
        display: flex;
        align-items: center;
    }

    p {
        font-size: 50px;
    }

    #highlight {
        text-decoration: underline;
        color: rgb(9, 95, 253);
        margin-right: 20px;
    }
</style>
</head>
```

```html
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Leap Year Check</title>
8      <style>
9          body {
10             font-family: Verdana;
11             margin-left: 30px;
12         }
13
14         input {
15             margin-left: 30px;
16             padding: 20px;
17             height: 40px;
18             width: 250px;
19             border-radius: 450px;
20             font-size: 40px;
21             background-color: aqua;
22         }
23
24         button {
25             height: 60px;
26             width: 150px;
27             border-radius: 30px;
28             margin-left: 50px;
29             font-size: 25px;
30             background-color: aquamarine;
31         }
32
```

Enter Year

Year: 2021   CHECK

2021 is NOT a Leap Year.

Enter Year

Year: 2020 CHECK

[2020](#) is a Leap Year.

Enter Year

Year: 0   CHECK

[0](#) Please enter a valid year.

```html
<body>
    <h1 style="font-size: 40px;">Enter Year</h1>
    <div class="box-1">
        <label style="font-size: 40px;">Year:</label>
        <input type="number" id="year" placeholder="e.g. 2024">
        <button id="button" onclick="checkyear()">CHECK</button>
    </div>
    <div style="display: flex;">
        <p id="highlight"></p>
        <p id="result"></p>
    </div>
    <script>
        function checkyear() {
            let year = parseInt(document.getElementById("year").value);
            document.getElementById("highlight").innerText = year;
            if (isNaN(year) || year <= 0) {
                document.getElementById("result").innerText = "Please enter a valid year.";
                return;
            }

            if ((year % 4 === 0 && year % 100 !== 0) || (year % 400 === 0)) {
                document.getElementById("result").innerText = " is a Leap Year.";
            } else {
                document.getElementById("result").innerText = " is NOT a Leap Year.";
            }
        }
    </script>
</body>
</html>
```

```
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2   <html lang="en">
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4   <head>
5       <meta charset="UTF-8">
6       <meta name="viewport" content="width=device-width, initial-scale=1.0">
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29              font-size: 25px;
30              background-color: ▇aquamarine;
31          }
32
```

```css
.box-1 {
    height: 100px;
    display: flex;
    align-items: center;
}

p {
    font-size: 50px;
}

#highlight {
    text-decoration: underline;
    color: rgb(9, 95, 253);
    margin-right: 20px;
}
    </style>

</head>
```

Enter Number To Check Positive/Negative

Number: 3 CHECK

3 is Positive.

Enter Number To Check Positive/Negative

Number: -9 CHECK

[-9](#) is Negative.

Enter Number To Check Positive/Negative

Number: 0   CHECK

0 Zero(0) is neutral--neither positive nor negative.

```html
<body>
    <h1 style="font-size: 40px;">Enter Number To Check Positive/Negative</h1>
    <div class="box-1">
        <label style="font-size: 40px;">Number:</label>
        <input type="number" id="number">
        <button id="button" onclick="checkyear()">CHECK</button>
    </div>
    <div style="display: flex;">
        <p id="highlight"></p>
        <p id="result"></p>
    </div>
    <script>
        function checkyear() {
            let number = parseInt(document.getElementById("number").value);
            document.getElementById("highlight").innerText = number;
            if (number < 0) {
                document.getElementById("result").innerText = " is Negative.";
            } else if (number > 0) {
                document.getElementById("result").innerText = " is Positive.";
            } else {
                document.getElementById("result").innerText = " Zero(0) is neutral--neither positive nor negative.";
            }
        }
    </script>
</body>

</html>
```

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Leap Year Check</title>
    <style>
        body {
            font-family: Verdana;
            margin-left: 30px;
        }

        input {
            margin-left: 30px;
            padding: 20px;
            height: 40px;
            width: 200px;
            border-radius: 450px;
            font-size: 40px;
            background-color: aqua;
        }

        button {
            height: 60px;
            width: 150px;
            border-radius: 30px;
            margin-left: 50px;
            font-size: 25px;
            background-color: aquamarine;
        }
```

```css
    .box-1 {
        height: 100px;
        display: flex;
        align-items: center;
    }

    p {
        font-size: 50px;
    }

    #highlight {
        text-decoration: underline;
        color: rgb(9, 95, 253);
        margin-right: 20px;
    }
  </style>

</head>
```

Enter Number To Check Prime/Not Prime

Number: 211 CHECK

211 is Prime Number.

Enter Number To Check Prime/Not Prime

Number: 232   CHECK

232 is Not Prime Number.

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Table</title>
    <script>
        for (i = 100; i >= 1; i--) {
            document.write(i + "  ");
        }
    </script>
</head>

<body>

</body>

</html>
```

Table

127.0.0.1:5500/day_18/reversenum.html

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100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Table</title>
    <script>
        a = 5;
        for (i = 1; i <= 10; i++) {
            document.write("5 x " + i + " = " + (i * a) + "<br>");
        }
    </script>
</head>

<body>

</body>

</html>
```

5 x 1 = 5

5 x 2 = 10

5 x 3 = 15

5 x 4 = 20

5 x 5 = 25

5 x 6 = 30

5 x 7 = 35

5 x 8 = 40

5 x 9 = 45

5 x 10 = 50