```html
<!doctype html>
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Leap Year</title>
</head>
<body style="background: palegoldenrod;">
    <script type="text/javascript">
        year=1996;
        if(year%4==0)
        {
            document.write(year+"is a leap year");
        }
        else
        {
            document.write(year+"is not a leap year");
        }
    </script>
</body>
</html>
```

1996is a leap year

```html
<!doctype html>
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title></title>
</head>
<body style="background:olivedrab;">
    <script type="text/javascript">
        i = 20;
        if(i>0)
        {
            document.write(i+" It is a positive number");
        }
        else
        {
            document.write(i+"It is a negative");
        }

    </script>

</body>
</html>
```

20It is a positive number

```html
<!doctype html>
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Grade System</title>
</head>
<body>
    <script type="text/javascript">
        percentage=81.74;
        if(percentage>=90)
        {
            document.write(percentage+"percentage Grade: A");
        }
        else if(percentage>=80)
        {
            document.write(percentage+"percentage Grade: B");
        }
        else if(percentage>=70)
        {
            document.write(percentage+"percentage Grade: C");
        }
        else if(percentage>=60)
        {
            document.write(percentage+"percentage Grade: D");
        }
        else if(percentage>=50)
        {
            document.write(percentage+"percentage Grade: E");
        }
        else
        {
            document.write("Fail");
        }
    </script>

</body>
</html>
```

81.74percentage Grade: B

```html
<!Doctype html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title></title>
</head>
<body style="background:cadetblue;">
    <script type="text/javascript">
        let num = 30;
        if (num % 2 == 0) {
            document.write(num + " is not a prime number");
        }
        else {
            document.write(num + " is a prime number");
        }
    </script>
</body>
</html>
```

30 is not a prime number

```html
<!Doctype html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title> Table of 43</title>
</head>
<body style="background:gold;">
    <script type="text/javascript">
        for(i=1;i<=10;i++)
        {
            document.write("43 x"+i+"="+(43*i)+"<br>")
        }
    </script>
</body>
</html>
```

```
43 x1=43
43 x2=86
43 x3=129
43 x4=172
43 x5=215
43 x6=258
43 x7=301
43 x8=344
43 x9=387
43 x10=430
```

```html
<!doctype html>
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>1-100</title>
</head>
<body style="background: deeppink;">
<script type="text/javascript">
    for(i=100;i>=1;i--)
    {
        document.write(i+"<br>");
    }

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

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