

# Javascript Calendar



# Javascript Calendar

Use **javascript** to append HTML **<div>** elements to the "month" **<div>** below so that it displays a one-month calendar like one you might see in an airline reservation web site.

The body element in your HTML code should only contain

```
<body>
  <h2>My Calendar</h2>
  <div id="month">
  </div>
</body>
```

# Javascript Calendar

Build the calendar such that each day of the week and each individual day is a **<div>**.

Use javascript to create each **<div>**, set the innerHTML of the **<div>** to the correct value, and give the **<div>** a class attribute that provides the style to the **<div>**.

# Javascript Calendar Task 1

- display the days in a grid with one line for each week and one column for each day of the week
- show a header row displaying abbreviations for the days of the week (**Sun, Mon, Tue, ... , Sat**)
- assume the first day of the month is a Sunday and that the month has 31 days
- the day the mouse is over changes color
- clicking on a day sets that day to a different color (the day should stay that color until another day is selected)

# Javascript Calendar Task 1

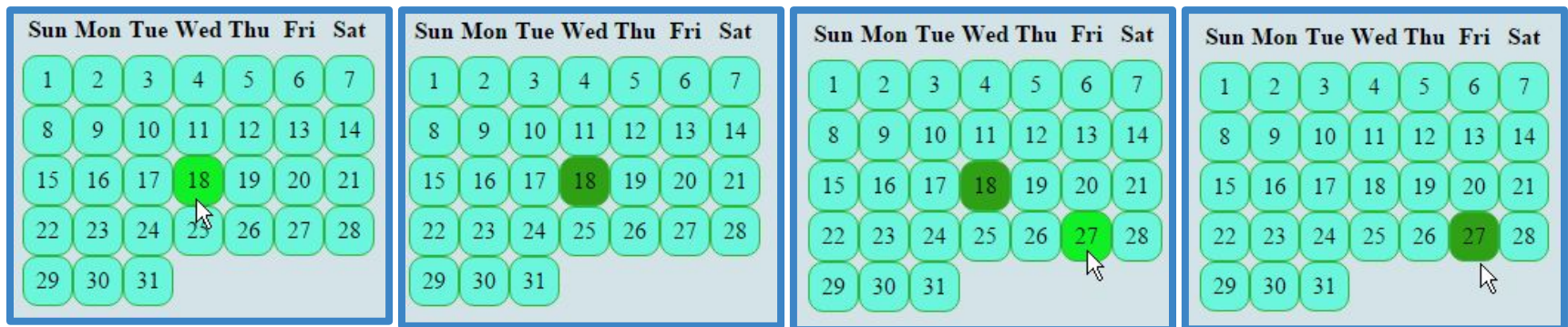
Use a `<div>` styled with the following CSS to get subsequent `<div>`s to start on a new line.

```
clear: both;  
line-height: 0 px;
```

With the **clear** property on the div no floating elements are allowed on the div's left or right side.

# Javascript Calendar Task 1

1. Hover over a day (color #1)
2. Click to select day (color #2)
3. Hover over a new day choice
4. Click to select new choice

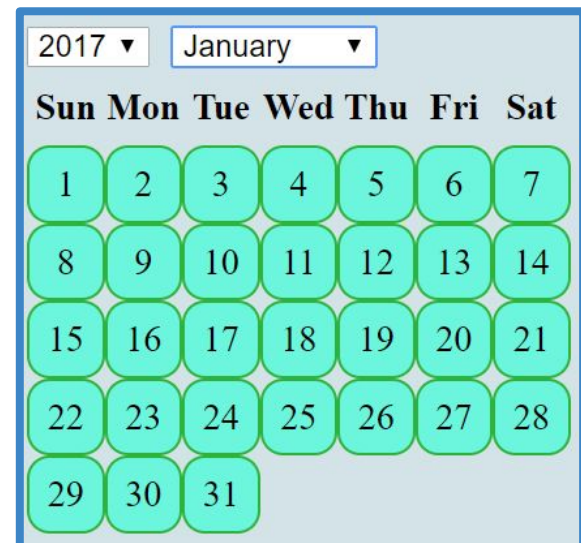


*Feel free to use your own color scheme & design*

# Javascript Calendar Task2

At the top of the page use javascript to insert a year and month drop down to allow the user to select a specific year from **1900** to the **current year** as well as a month (**January - December**).

- initially the drop downs should show the current year & month
- your program does not have to make use of the selected values to complete this task



# Javascript Calendar Task3

Utilize the selected year & month to display the selected month.

2000 ▾

January ▾

Sun

Mon

Tue

Wed

Thu

Fri

Sat

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

2000 ▾

February ▾

Sun

Mon

Tue

Wed

Thu

Fri

Sat

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

2017 ▾

January ▾

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| 1   | 2   | 3   | 4   | 5   | 6   | 7   |
| 8   | 9   | 10  | 11  | 12  | 13  | 14  |
| 15  | 16  | 17  | 18  | 19  | 20  | 21  |
| 22  | 23  | 24  | 25  | 26  | 27  | 28  |
| 29  | 30  | 31  |     |     |     |     |



# Usefull Tips

# Day of the week for a given date

```
var days = ['Sun', 'Mon', 'Tue', 'Wed', 'Thu', 'Fri', 'Sat'];  
var d = new Date(2000,0,1); // January 1st, 2000  
console.log(d);  
console.log(d.getDay());  
var dayName = days[d.getDay()];  
console.log(dayName);
```

```
2000-01-01T06:00:00.000Z
```

```
6
```

```
Sat
```

**NOTE** the months start at 0 (i.e. 0=Jan, 1=Feb, ...)

# Links

[Create a drop down list](#)

[How to check if an item is selected](#)

[Remove all child elements](#)