



## Assignment 3

### Mar22 Web Fundamentals

1. Program to write the first 10 numbers.
2. Program to calculate the sum of first 10 numbers
3. Make the loop stop when i is 5.

```
for (i = 0; i < 10; i++) {  
    console.log(i);  
    if (i == 5) {  
  
        -----;  
    }  
}
```

4. Write a program to print day of week name using switch case.
5. Write a program print total number of days in a month using switch case.

[See less](#)

2 replies

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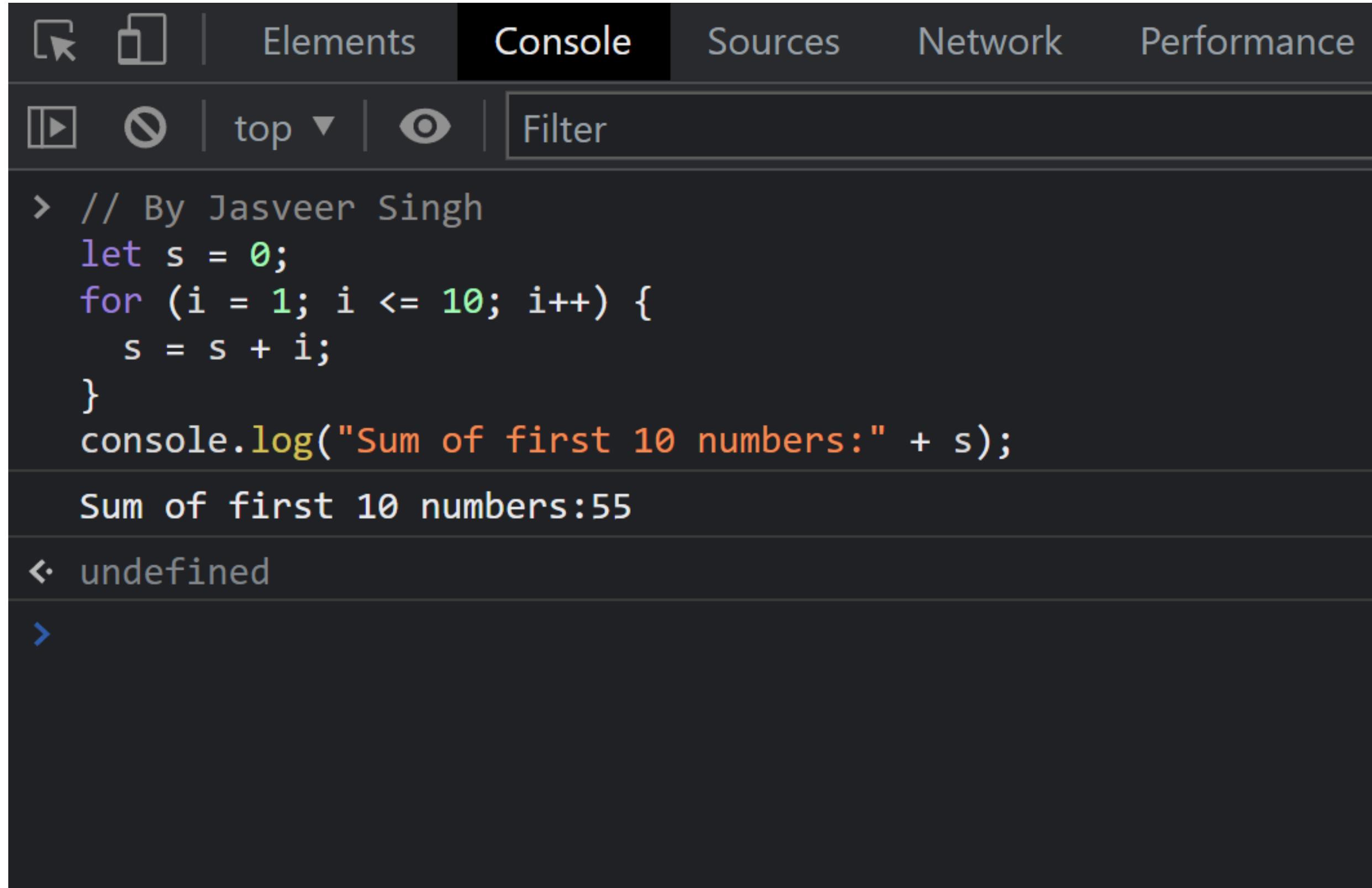
# **ASSIGNMENT 3**

***1. Program to write the first 10 numbers.***

The screenshot shows the 'Console' tab of a browser's developer tools. At the top, there are icons for back, forward, and refresh, followed by tabs for 'Elements', 'Console' (which is selected), 'Sources', and 'Network'. Below the tabs are controls for play/pause, stop, and a dropdown menu set to 'top'. A 'Filter' input field is also present. The main area displays the following text:

```
> // By Jasveer Singh
  for (i=0;i<10;i++)
    {console.log(i)}
  0
  1
  2
  3
  4
  5
  6
  7
  8
  9
< undefined
>
```

## ***2. Program to calculate the sum of the first 10 numbers.***



The screenshot shows the 'Console' tab of a browser's developer tools. The console interface includes icons for back, forward, and search, followed by tabs for Elements, Console, Sources, Network, and Performance. Below these are buttons for play/pause, stop, and filter, along with dropdowns for scope (top) and visibility (eye).

```
> // By Jasveer Singh
let s = 0;
for (i = 1; i <= 10; i++) {
    s = s + i;
}
console.log("Sum of first 10 numbers:" + s);

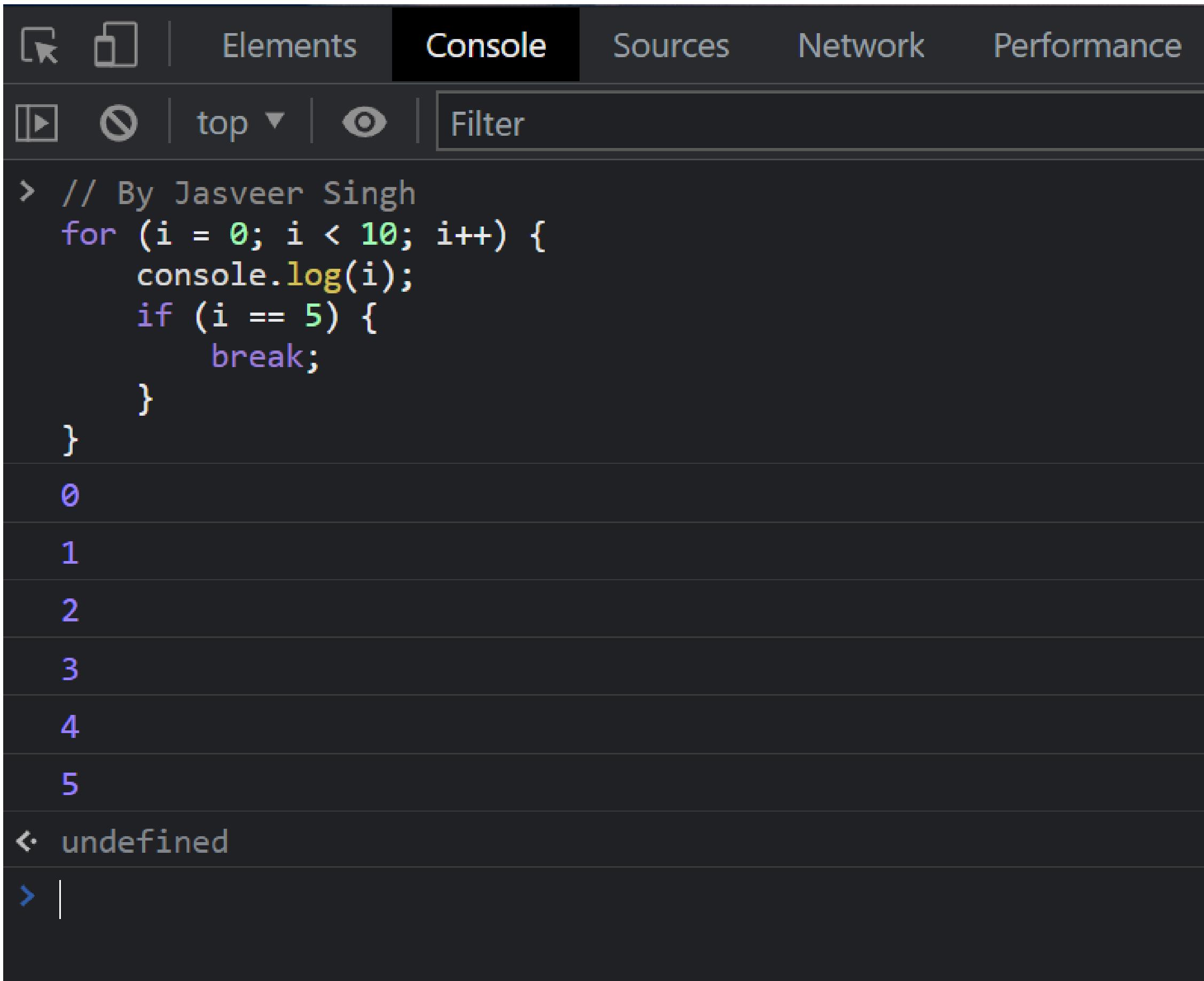
Sum of first 10 numbers:55

< undefined
>
```

The code calculates the sum of the first 10 integers (1 through 10) and logs the result ('55') to the console. The output is displayed in orange, while the code and prompt markers are in blue.

### **3. Make the loop stop when *i* is 5.**

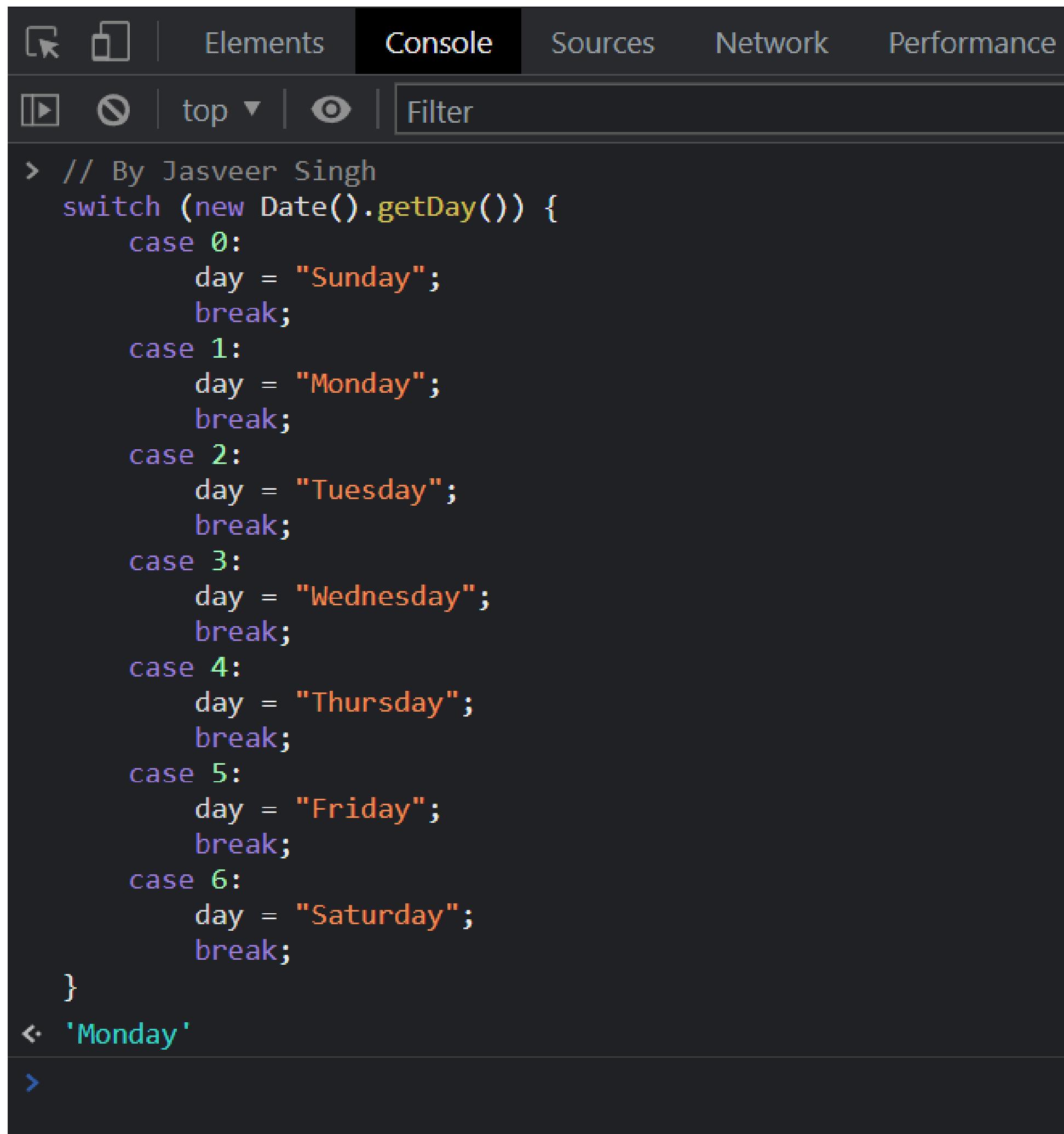
```
for (i = 0; i < 10; i++)  
{console.log(i);  
if (i == 5) {  
    _____;  
}  
}
```



The screenshot shows the Chrome DevTools Console tab. The console output is as follows:

```
> // By Jasveer Singh
for (i = 0; i < 10; i++) {
  console.log(i);
  if (i == 5) {
    break;
  }
}
0
1
2
3
4
5
< undefined
> |
```

## **4. Write a program to print the day of week name using a switch case.**



The screenshot shows the 'Console' tab of a browser's developer tools. The code is a switch statement that maps the day of the week (0-6) to its name ('Sunday' through 'Saturday'). The output shows the result of the execution: 'Monday'.

```
// By Jasveer Singh
switch (new Date().getDay()) {
    case 0:
        day = "Sunday";
        break;
    case 1:
        day = "Monday";
        break;
    case 2:
        day = "Tuesday";
        break;
    case 3:
        day = "Wednesday";
        break;
    case 4:
        day = "Thursday";
        break;
    case 5:
        day = "Friday";
        break;
    case 6:
        day = "Saturday";
        break;
}
< 'Monday'>
```

## ***5. Write a program to print the total number of days in a month using a switch case.***

```
> // By Jasveer Singh
var a = parseInt(prompt("enter a month number please."), 10);
var month = [
    "January", "February", "March", "April", "May", "June",
    "July", "August", "September", "October", "November", "December"
];
var b = month[a - 1];
var season;
switch (a) {
    case 12:
    case 1:
    case 2: season = "winter"; break;
    case 3:
    case 4:
    case 5: season = "spring"; break;
    case 6:
    case 7:
    case 8: season = "summer"; break;
    case 9:
    case 10:
    case 11: season = "fall"; break;
}
document.write(" It is " + b + ", which is in " + season + ".");
```