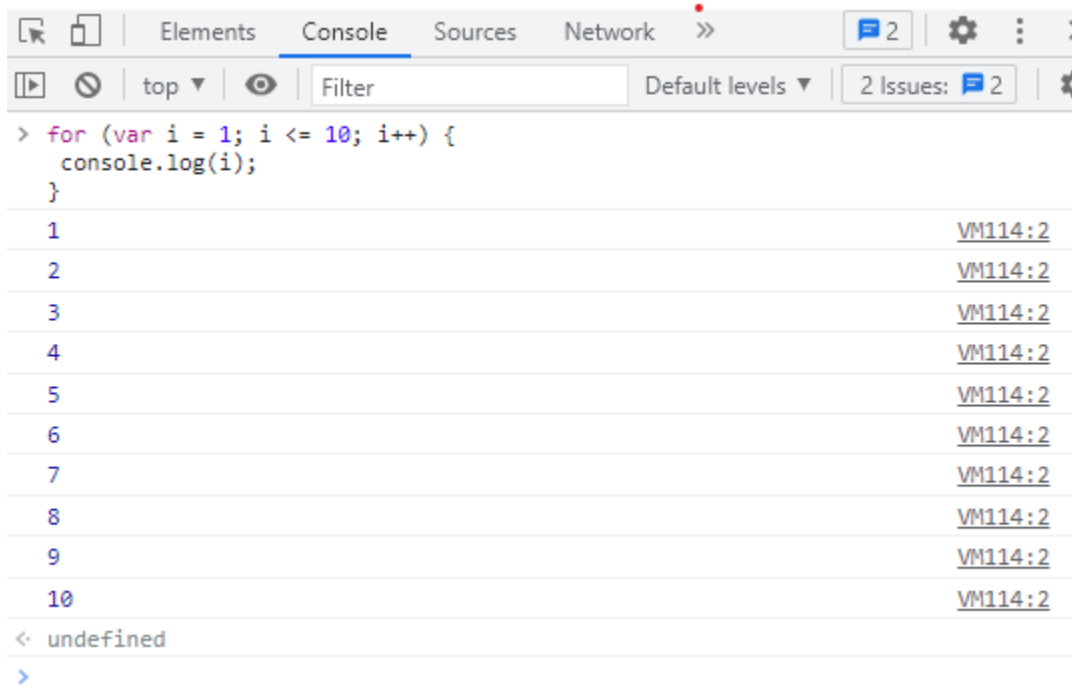


1. Program to write the first 10 numbers.



The screenshot shows a web browser's developer console with the 'Console' tab selected. The console displays the output of a JavaScript for loop that logs the first 10 numbers. The code is as follows:

```
> for (var i = 1; i <= 10; i++) {  
  console.log(i);  
}
```

The output shows the numbers 1 through 10, each on a new line, with the source 'VM114:2' indicated on the right. Below the numbers, the console shows 'undefined' and a prompt character '>'.

2. Program to calculate the sum of first 10 numbers



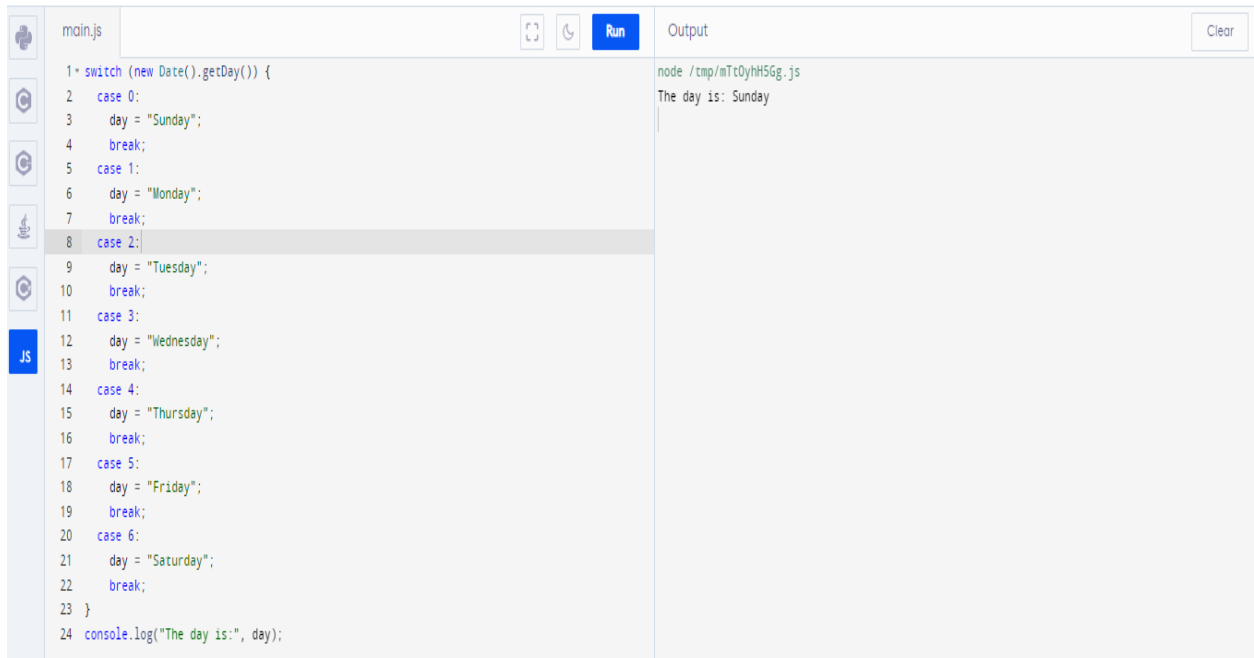
The screenshot shows a code editor with a file named 'main.js'. The code is as follows:

```
1  
2 let s = 0;  
3 for (i = 1; i <= 10; i++) {  
4   s = s + i;  
5 }  
6 console.log("Sum of first 10 natural numbers:" + s);
```

The code is executed, and the output is displayed in the 'Output' panel on the right. The output is:

```
node /tmp/mTt0yhH5Gg.js  
Sum of first 10 natural numbers:55
```

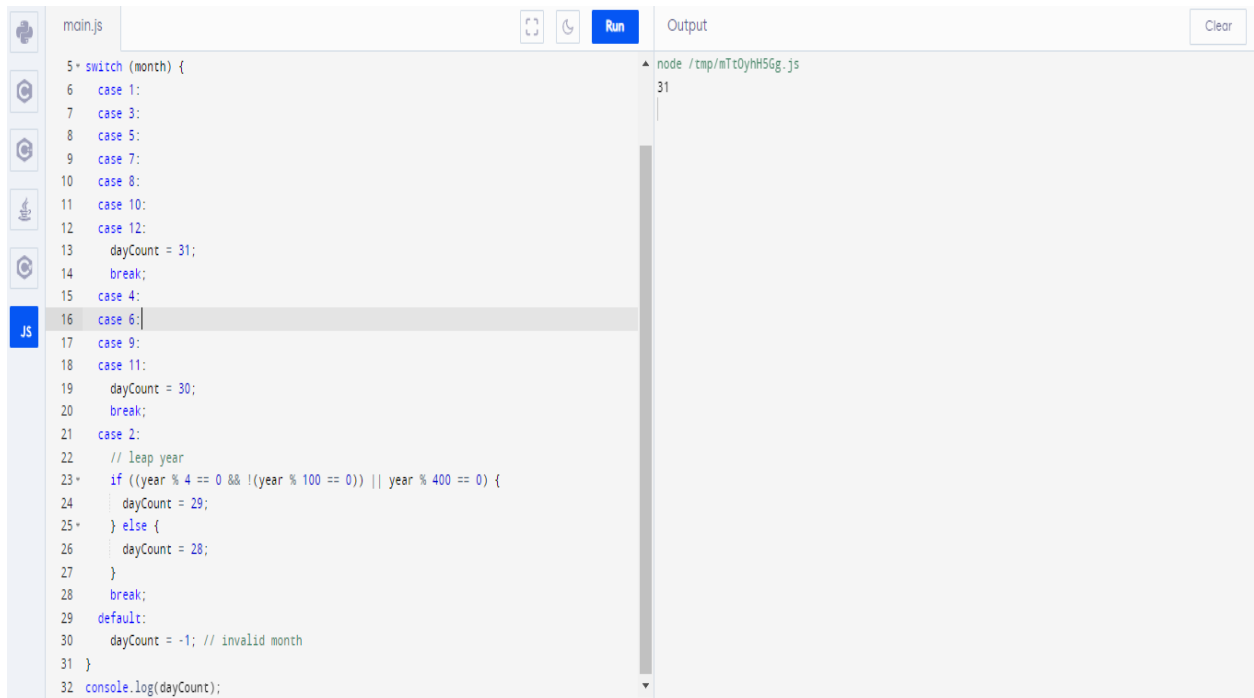
4. Write a program to print day of week name using switch case.



```
main.js
1 * switch (new Date().getDay()) {
2   case 0:
3     day = "Sunday";
4     break;
5   case 1:
6     day = "Monday";
7     break;
8   case 2:
9     day = "Tuesday";
10    break;
11   case 3:
12     day = "Wednesday";
13    break;
14   case 4:
15     day = "Thursday";
16    break;
17   case 5:
18     day = "Friday";
19    break;
20   case 6:
21     day = "Saturday";
22    break;
23 }
24 console.log("The day is:", day);
```

node /tmp/mTt0yhH5Gg.js  
The day is: Sunday

5. Write a program print total number of days in a month using switch case.



```
main.js
5 * switch (month) {
6   case 1:
7   case 3:
8   case 5:
9   case 7:
10  case 8:
11  case 10:
12  case 12:
13    dayCount = 31;
14    break;
15  case 4:
16  case 6:
17  case 9:
18  case 11:
19    dayCount = 30;
20    break;
21  case 2:
22    // leap year
23    if ((year % 4 == 0 && !(year % 100 == 0)) || year % 400 == 0) {
24      dayCount = 29;
25    } else {
26      dayCount = 28;
27    }
28    break;
29  default:
30    dayCount = -1; // invalid month
31 }
32 console.log(dayCount);
```

node /tmp/mTt0yhH5Gg.js  
31



