

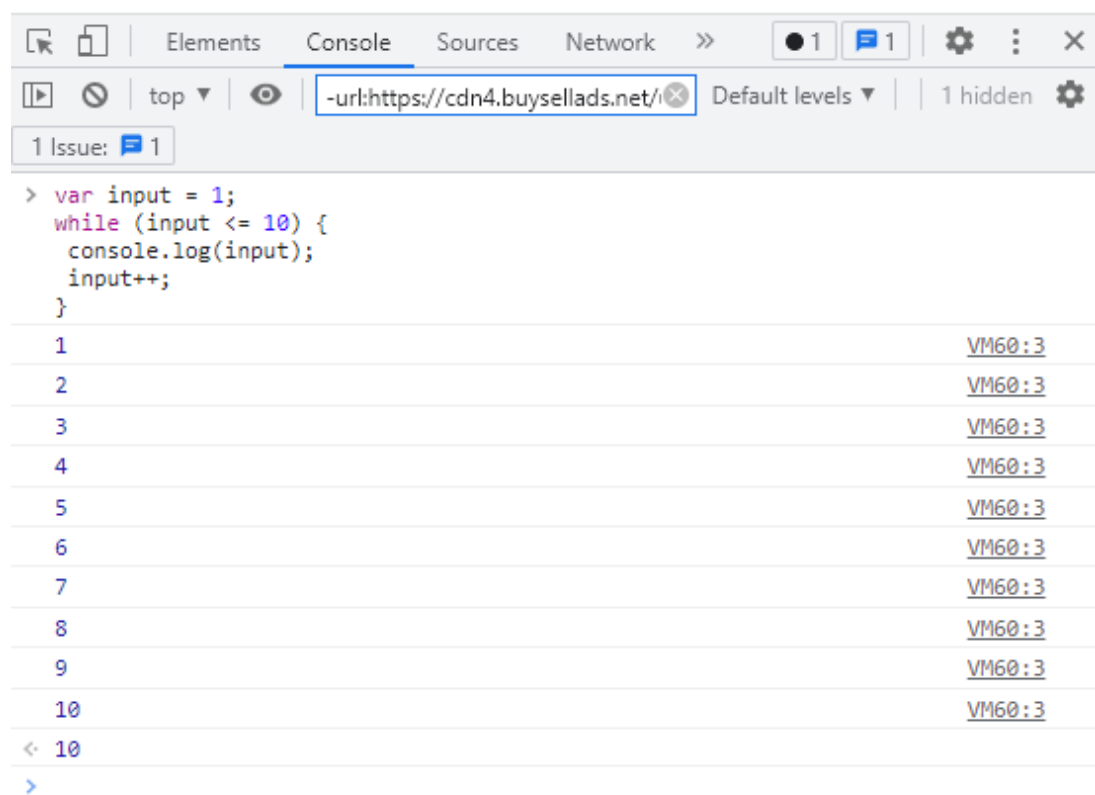
### ASSIGNMENT 3

1. Program to write the first 10 numbers.

Program:

```
var input = 1;
while (input <= 10) {
  console.log(input);
  input++;
}
```

Output:



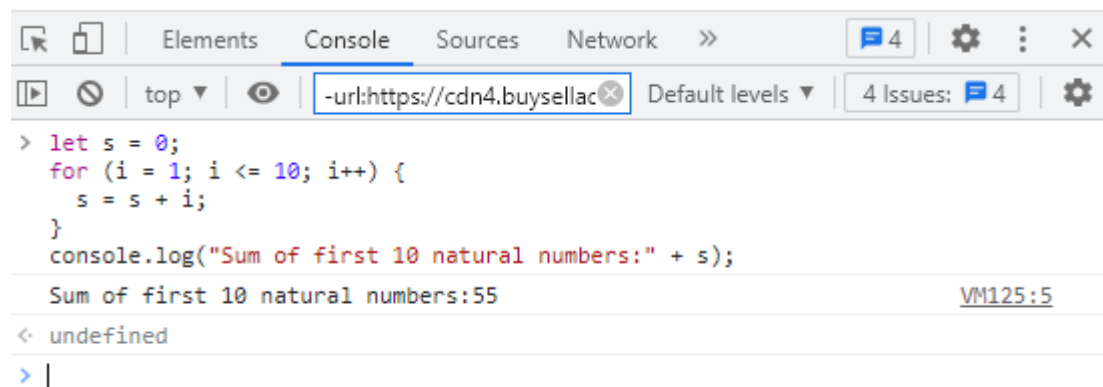
## 2. Program to calculate the sum of first 10 numbers

Program:

```
let s = 0;
for (i = 1; i <= 10; i++) {
  s = s + i;
}

console.log("Sum of first 10 natural numbers:" + s);
```

Output:



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

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

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

Program:

```
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;
}

```

Output:



The screenshot shows a web browser's developer console with the 'Console' tab selected. The address bar shows a URL starting with '-url:http://www-db.deis.u'. The console contains a JavaScript code snippet that uses a switch statement to determine the day of the week from a Date object. The code is as follows:

```

> 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;
}

```

The output of the code is shown below the code block as '< 'Sunday''.

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

Program:

```
let year = 2022;
```

```
let month = 6;
```

```
let dayCount;
```

```
switch (month) {
```

```
    case 1:
```

```
        case 3:
        case 5:
        case 7:
        case 8:
        case 10:
        case 12:
    dayCount = 31;
    break;

        case 4:
        case 6:
        case 9:
        case 11:
    dayCount = 30;
    break;

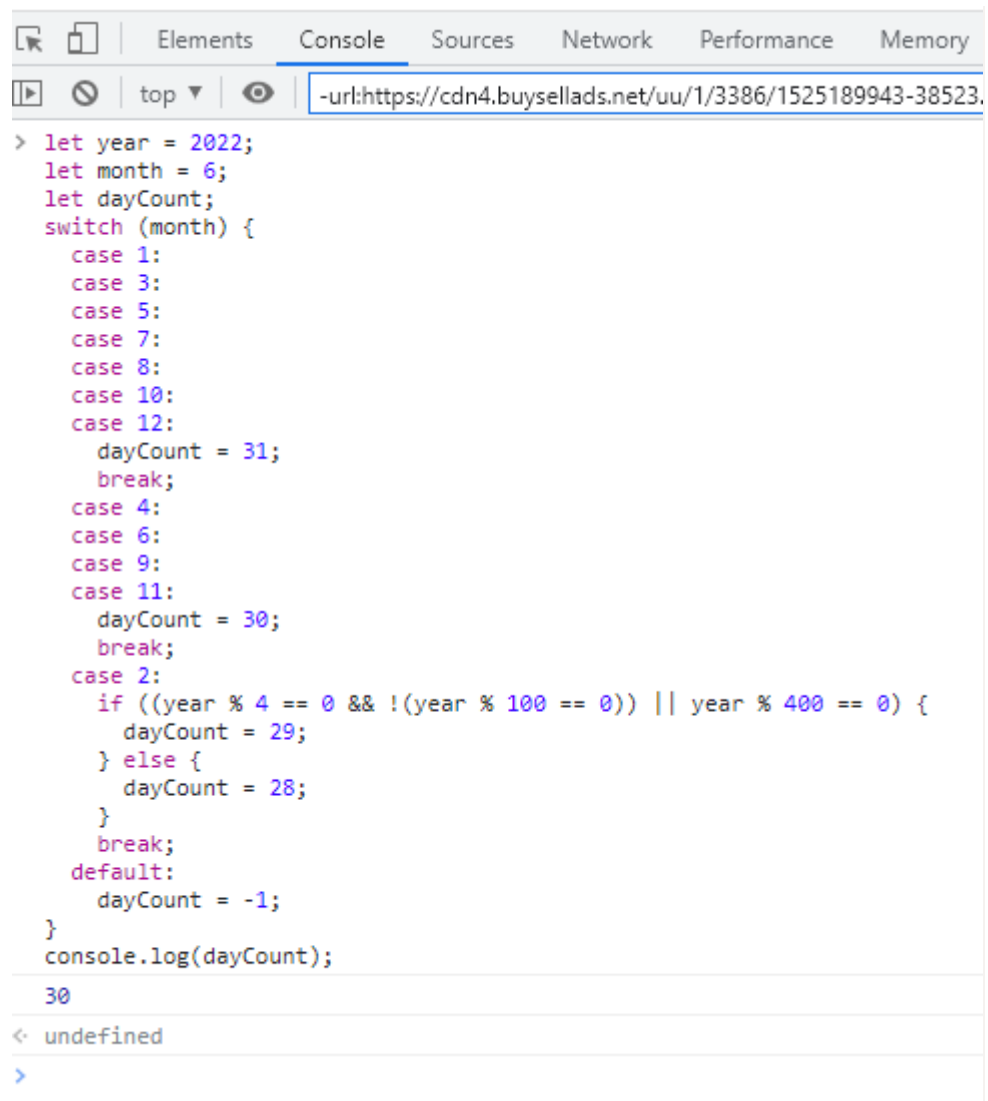
        case 2:
    if ((year % 4 == 0 && !(year % 100 == 0)) || year % 400 == 0) {
    dayCount = 29;
    } else {
    dayCount = 28;
    }

    break;

    default:
    dayCount = -1;
    }

    console.log(dayCount);
```

Output:



The screenshot shows a web browser's developer console with the 'Console' tab selected. The address bar displays a URL: `-url:https://cdn4.buysellads.net/uu/1/3386/1525189943-38523.`. The console contains the following JavaScript code:

```
> let year = 2022;
let month = 6;
let dayCount;
switch (month) {
  case 1:
  case 3:
  case 5:
  case 7:
  case 8:
  case 10:
  case 12:
    dayCount = 31;
    break;
  case 4:
  case 6:
  case 9:
  case 11:
    dayCount = 30;
    break;
  case 2:
    if ((year % 4 == 0 && !(year % 100 == 0)) || year % 400 == 0) {
      dayCount = 29;
    } else {
      dayCount = 28;
    }
    break;
  default:
    dayCount = -1;
}
console.log(dayCount);
```

The output of the code is `30`, which is displayed on the line following the `console.log` statement. Below the output, the prompt `< undefined` is shown, followed by a blue prompt character `>`.