

Assignment 3

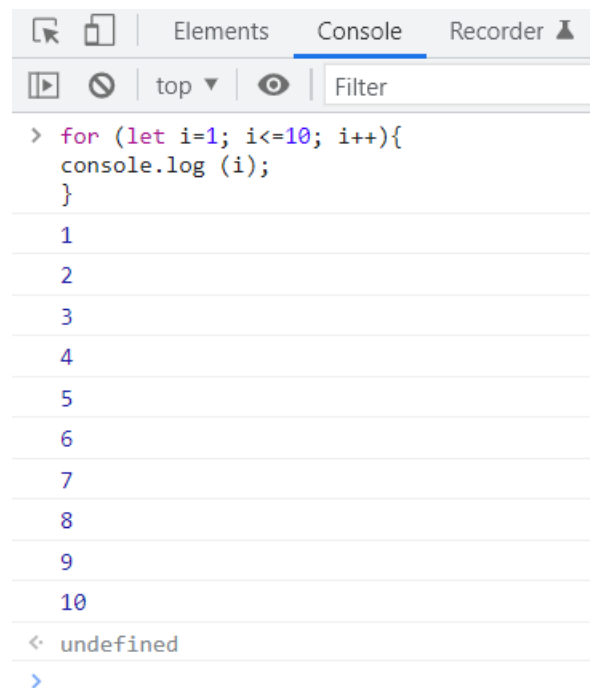
1. Program to write the first 10 numbers.

// It is used in the normal form in programming.

```
int i ;  
for (i=1 i<=10; i++){  
    print i;  
}
```

// It is used in the crome (Javascript) form in programming.

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



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 numbers 1 through 10. The input area shows the code: `> for (let i=1; i<=10; i++){ console.log (i); }`. The output area shows the numbers 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10, each on a new line. The console also shows 'undefined' at the bottom, indicating the end of the execution.

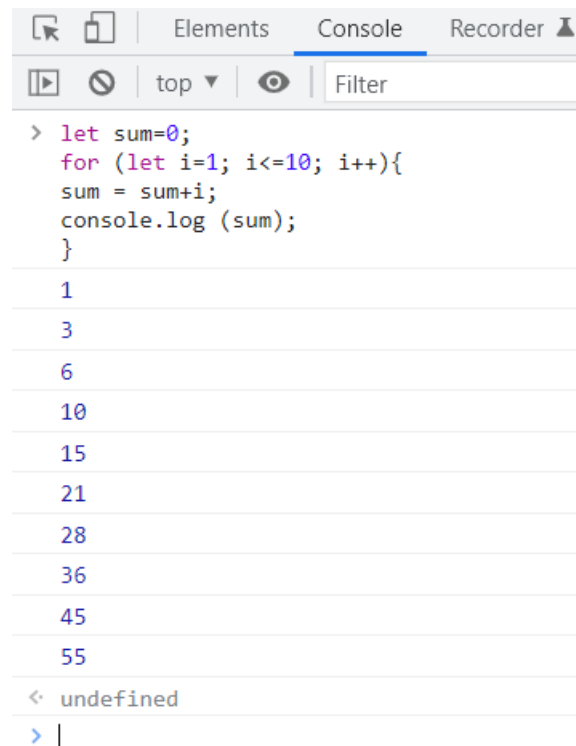
2. Program to calculate the sum of first 10 numbers.

// It is used in the normal form in programming.

```
int sum=0;
for (int i=0; i<=10; i++){
    sum = sum+i;
    print sum;
}
```

// It is used in the crome (Javascript) form in programming.

```
let sum=0;
for (let i=1; i<=10; i++){
    sum = sum+i;
    console.log (sum);
}
```



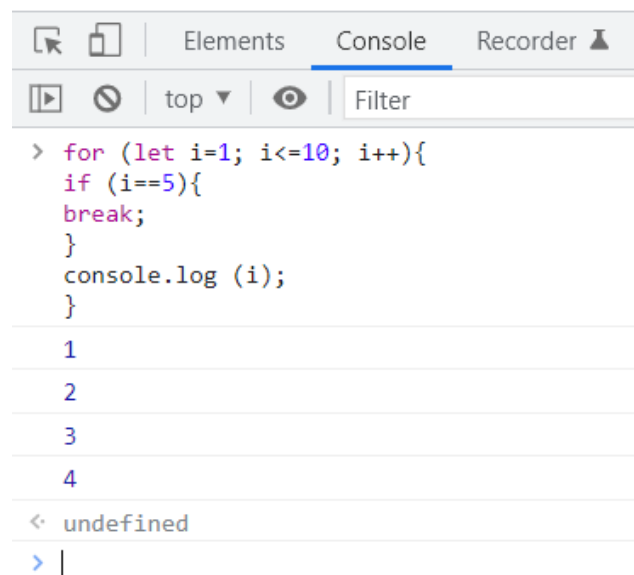
3. Make the loop stop when i is 5.

// It is used in the normal form in programming.

```
int i;
for (i=1; i<=10; i++){
    if (i==5){
        break;
    }
    print i;
}
```

// It is used in the crome (Javascript) form in programming.

```
for (let i=1; i<=10; i++){
    if (i==5){
        break;
    }
    console.log (i);
}
```



The screenshot shows a web browser's developer console with the 'Console' tab selected. The console displays the output of a JavaScript loop that iterates from 1 to 10, but breaks when it reaches 5. The output shows the numbers 1, 2, 3, and 4, followed by 'undefined' and a prompt character '> |'.

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

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

// It is used in the normal form in programming.

```
int num = 4;
switch (num){
    case 1:
        print "day = Sunday";
        break;
    case 2:
        print "day = Monday";
        break;
    case 3:
        print "day = Tuesday";
        break;
    case 4:
        print "day = Wednesday";
        break;
    case 5:
        print "day = Thursday";
        break;
    case 6:
        print "day = Friday";
        break;
    case 7:
        print "day = Saturday";
        break;
    default :
        print "Your input is not valid";
        break;
}
```

// It is used in the crome (Javascript) form in programming.

```
let num = 4;
switch (num){
```

```

case 1:
    console.log ("day = Sunday");
    break;
case 2:
    console.log ("day = Monday");
    break;
case 3:
    console.log ("day = Tuesday");
    break;
case 4:
    console.log ("day = Wednesday");
    break;
case 5:
    console.log ("day = Thrusday");
    break;
case 6:
    console.log ("day = Friday");
    break;
case 7:
    console.log ("day = Saturday");
    break;
default :
    print "Your input is not valid";
    break;
}

```

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

// It is used in the crome (Javascript) form in programming.

```

let month = March;
switch (month){
    case January:
        console.log ("Totals Days = 31");
        break;
    case February:
        console.log ("Totals Days = 28);

```

```
        break;
    case March:
        console.log ("Totals Days = 31");
        break;
    case April:
        console.log ("Totals Days = 30");
        break;
    case May:
        console.log ("Totals Days = 31");
        break;
    case June:
        console.log ("Totals Days = 30");
        break;
    case July:
        console.log ("Totals Days = 31");
        break;
    case August:
        console.log ("Totals Days = 31");
        break;
    case September:
        console.log ("Totals Days = 30");
        break;
    case October:
        console.log ("Totals Days = 31");
        break;
    case November:
        console.log ("Totals Days = 30");
        break;
    case December:
        console.log ("Totals Days = 31");
        break;
    default :
        print "Your input is not valid";
        break;
}
```