Assignment 3

```
/*************************************************************
Q.1) Program to write first 10 numbers.
**************************************************************/

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

Output:

```
1
2
3
4
5
6
7
8
9
10
```

```
/*************************************************************
Q.2) Program to calculate sum of first 10 numbers.
**************************************************************/

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

Output:

```
Sum of first 10 numbers is:55
```

```
/*****************************************************************
 Q.3) Program to write first 10 numbers. Make the loop stop when i=5
 *****************************************************************/

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

Output:

```
0
1
2
3
4
5
```

```
/*****************************************************************
 Q.4) Program to print day of week using switch case
 *****************************************************************/

let day = 3;
let dayName;

switch (day) {
  case 1:
    dayName = 'Sunday';
    break;
  case 2:
    dayName = 'Monday';
    break;
  case 3:
    dayName = 'Tuesday';
    break;
  case 4:
    dayName = 'Wednesday';
    break;
  case 5:
    dayName = 'Thursday';
    break;
  case 6:
    dayName = 'Friday';
```

```javascript
      break;
    case 7:
      dayName = 'Saturday';
      break;
    default:
      dayName = 'Invalid day';
}

console.log(dayName); // Tuesday
```

Output:

```
> Tuesday
```

```javascript
/************************************************************************
 Q.5) Program to print total number of days in a month using switch case
 ************************************************************************/

let year = 2016;
let month = 2;
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:
    // Leap year
    if ((year % 4 == 0) {
      dayCount = 29;
    } else {
      dayCount = 28;
    }
    break;
```

```
  default:
    dayCount = -1; // invalid month
}

console.log(dayCount); // 29
```

Output:

```
Enter month number(1-12): 5
31 days
```