

Q1: Write a JavaScript program to get the current date.

Code:

```
currDate = () => {  
  var curr = new Date();  
  return (curr.getFullYear() + " : " + (curr.getMonth()+1) + " : " + curr.getDate());  
}  
console.log(currDate());
```

Output:

```
C:\Program Files\nodejs\node.exe .\currentDate.js  
2022 : 4 : 21
```

Q2: Write a JS function to get no. of days in a month?

Test Data :

```
console.log(getDaysInMonth(1, 2012));  
console.log(getDaysInMonth(2, 2012));  
console.log(getDaysInMonth(9, 2012));  
console.log(getDaysInMonth(12, 2012));
```

Output :

31
29
30
31

Code:

```
function getDaysInMonth(mon, yr){  
    var thatDay = new Date(yr, mon, 0).getDate();  
    return thatDay;  
}  
  
// var ans = getDaysInMonth(1, 2012);  
// console.log(ans);  
  
console.log(getDaysInMonth(1, 2012));  
console.log(getDaysInMonth(2, 2012));  
console.log(getDaysInMonth(9, 2012));  
console.log(getDaysInMonth(12, 2012));
```

Output:

```
C:\Program Files\nodejs\node.exe .\numberOfDaysinMonth.js  
31  
29  
30  
31
```

Q3. Write a JavaScript function to get the month name from a particular date.

Test Data :

console.log(month_name(new Date("10/11/2009")));

console.log(month_name(new Date("11/13/2014")));

Output :

"October"

"November"

Code:

```
function month_name(d){  
    l = ["January", "February", "March", "April", "May", "June", "July",  
    "August", "September", "October", "November", "December"];  
    return l[d.getMonth()];  
}  
  
console.log(month_name(new Date("10/11/2009")));  
console.log(month_name(new Date("11/13/2014")));
```

Output:

```
C:\Program Files\nodejs\node.exe .\monthName.js  
October  
November
```

Q4. Write a JavaScript program to display the current day and time in the following format.

Sample Output :

Today is : Friday.

Current time is : 4 PM : 50 : 22

Code:

```
var t = new Date();
l = ["Sunday", "Monday", "Tuesday", "Wednesday ", "Thursday", "Friday",
"Saturday"];
console.log("Today is: " + l[t.getDay()]);
console.log("Current time is: " + t.getHours() + " PM : " + t.getMinutes() + "
: " + t.getSeconds() );
```

Output:

```
C:\Program Files\nodejs\node.exe .\currDayTime.js
Today is: Thursday
Current time is: 17 PM : 26 : 27
```

Q5. Write a JavaScript program to get the current date.

Expected Output :

mm-dd-yyyy,

mm/dd/yyyy or dd-mm-yyyy,

dd/mm/yyyy

Code:

```
currDate = () => {  
    var curr = new Date();  
    return (curr.getFullYear() + " : " + (curr.getMonth()+1) + " : " +  
curr.getDate());  
}  
console.log(currDate());
```

Output:

```
C:\Program Files\nodejs\node.exe .\currentDate.js  
2022 : 4 : 21
```

Q6 Write a JavaScript function to get difference between two dates in days.

Test Data :

```
console.log(date_diff_indays('04/02/2014', '11/04/2014'));
```

```
console.log(date_diff_indays('12/02/2014', '11/04/2014'));
```

Output :

216

-28

Program:

```
function dateDiff(d1, d2){  
    var dt1 = new Date(d1);  
    var dt2 = new Date(d2);  
    var tdiff = dt2.getTime()-dt1.getTime();  
    var ans = tdiff/(1000*60*60*24);  
    return ans;  
}  
console.log(dateDiff('12/02/2014', '11/04/2014'));  
console.log(dateDiff('04/02/2014', '11/04/2014'));
```

Output:

```
C:\Program Files\nodejs\node.exe .\diffBtwTwoDates.js  
-28  
216
```