

JavaScript Exercises - Date Object

1. Write a JavaScript function to check whether an 'input' is a date object or not.

Test Data :

```
console.log(is_date("October 13, 2014 11:13:00"));  
console.log(is_date(new Date(86400000)));  
console.log(is_date(new Date(99,5,24,11,33,30,0)));  
console.log(is_date([1, 2, 4, 0]));
```

Output :

```
false  
true  
true  
false
```

2. Write a JavaScript function to get the current date.

Note : Pass a separator as an argument.

Test Data :

```
console.log(curday('/'));  
console.log(curday('-'));
```

Output :

```
"11/13/2014"  
"11-13-2014"
```

3. Write a JavaScript function to get the number 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
```

4. 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"

5. Write a JavaScript function to compare dates (i.e. greater than, less than or equal to).

Test Data :

```
console.log(compare_dates(new Date('11/14/2013 00:00'), new Date('11/14/2013 00:00')));  
console.log(compare_dates(new Date('11/14/2013 00:01'), new Date('11/14/2013 00:00')));  
console.log(compare_dates(new Date('11/14/2013 00:00'), new Date('11/14/2013 00:01')));
```

Output :

```
"Date1 = Date2"  
"Date1 > Date2"  
"Date2 > Date1"
```

6. Write a JavaScript function to add specified minutes to a Date object.

Test Data :

```
console.log(add_minutes(new Date(2014,10,2), 30).toString());
```

Output :

```
"Sun Nov 02 2014 00:30:00 GMT+0530 (India Standard Time)"
```

7. 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
```

8. Write a JavaScript function to get the last day of a month.

Test Data :

```
console.log(lastday(2014,0));  
console.log(lastday(2014,1));  
console.log(lastday(2014,11));
```

Output :

```
31  
28  
31
```

9. Write a JavaScript function that will return the number of minutes in hours and minutes.

Test Data :

```
console.log(timeConvert(200));
```

Output :

"200 minutes = 3 hour(s) and 20 minute(s)."

10. Write a JavaScript program to calculate age.

Test Data :

```
console.log(calculate_age(new Date(1982, 11, 4)));
```

32

```
console.log(calculate_age(new Date(1962, 1, 1)));
```

53