|  |
| --- |
|  |
|  |  |
|  | **DATES IN JAVASCRIPT**  /URL: https://www.digitalocean.com/community/tutorials/understanding-date-and-time-in-javascript  //TODAY DATE IS: JULY 28 2018 Saturday |
|  |  |
|  | var now= new Date(); //"07/28/2018" |
|  |  |
|  | console.log(now); // O/P: 2018-07-28T11:19:14.715Z |
|  |  |
|  | console.log(now.getTime()); // O/P: 1532776973416 |
|  |  |
|  | console.log(now.toLocaleTimeString()); // O/P: 16:55:07 (displays local time) |
|  |  |
|  | console.log(now.getFullYear()); // O/P: 2018 |
|  |  |
|  | console.log(now.getDay()); // O/P: 6 |
|  |  |
|  | console.log(now.getDate()); // O/P: 28 |
|  |  |
|  | console.log(now.getMonth()); // O/P: 6 |
|  |  |
|  | console.log(now.getHours()); // O/P: 17 |
|  |  |
|  | console.log(now.getMinutes()); // O/P: 3 |
|  |  |
|  | console.log(now.getSeconds()); // O/P: 44 |
|  |  |
|  | console.log(now.getMilliseconds()); // O/P: 970 |
|  |  |
|  |  |
|  | /\* ---------------------------------------------------------------- \*/ |
|  |  |
|  | /\* |
|  | **Different types of Date Formats** |
|  |  |
|  | 1.var mydateformat=new Date("08/17/1990"); //(month/date/year) |
|  |  |
|  | 2.var mydateformat=new Date("1990-08-17"); //(year-month-date) |
|  |  |
|  | 3.var mydateformat=new Date("Aug 17 1990"); |
|  |  |
|  | 4.var mydateformat=new Date("August 17 1990"); |
|  |  |
|  | 5.var mydateformat=new Date("17 Aug 1990"); |
|  |  |
|  | 6.var mydateformat=new Date("17 August 1990"); |
|  |  |
|  | 7.var mydateformat=new Date("17, August ,1990"); |
|  |  |
|  | \*/ |
|  |  |
|  | var mydate=new Date("17, August ,1990"); |
|  |  |
|  | console.log(mydate.getFullYear()); // O/P: 1990 |
|  |  |
|  | var MonthNames=["January","February", "March", "April","May","June","July","August","September","October","November","December" ]; |
|  |  |
|  | // Get Month Name |
|  | console.log(MonthNames[mydate.getMonth()]); // O/P: August |
|  |  |
|  |  |
|  | // Get Week Day |
|  | var WeekNames=['Sunday','Monday','Tuesday','Wednesday','Thursday','Friday','Saturday']; |
|  |  |
|  | console.log(WeekNames[mydate.getDay()]); // O/P: Friday |
|  |  |
|  | /\*---------- **SET METHODS** --------------\*/ |
|  |  |
|  | //console.log(mydate.setFullYear(2016)); // set year to 2016 |
|  |  |
|  | //console.log(mydate.setMonth(05)); // set year to 06 |
|  |  |
|  | //console.log(mydate.setDate(21)); // set year to 20 |
|  |  |
|  | //console.log(mydate) // 2016-06-19T18:30:00.000Z (Main date is Modified Here) |
|  |  |
|  | /\*------------- Differences Between Dates --------------\*/ |
|  |  |
|  | var date1 = new Date("2016-06-20"); |
|  |  |
|  | var date2 = new Date ("2016-06-20"); |
|  |  |
|  | if(date2.getTime()==date1.getTime()){ //if (date1.valueOf()==date2.valueOf()){} (also fine) |
|  | console.log("TWO DATES ARE EQUAL"); // executed |
|  | } |
|  | else if(date1>date2){ |
|  | console.log("Date1 Is Greater"); |
|  | } |
|  | else { |
|  | console.log("Date2 Is Greater"); |
|  | } |
|  |  |
|  | /\* ------ **Adding years,months,days,... to present dates** ------------ \*/ |
|  |  |
|  | var presentDate=new Date("03/14/2016"); |
|  |  |
|  | var Modifieddate=new Date(presentDate.getTime()+(3\*24\*60\*60\*1000)); // 3 is the Number of Days if we want to add one month we can add 30 days |
|  | var Modifieddate1=new Date(presentDate.getTime()+(30\*24\*60\*60\*1000)); // Add one Month(30 days) |
|  | var Modifieddate2=new Date(presentDate.getTime()+(365\*24\*60\*60\*1000)); // Add one year (365 days) |
|  | var Modifieddate3=new Date(presentDate.getTime()+(365\*2\*24\*60\*60\*1000)); // Add 2 years |
|  |  |
|  | console.log(presentDate); //2016-03-14T00:00:00.000Z |
|  | console.log(Modifieddate); //2016-03-17T00:00:00.000Z (for 3 days) |
|  | console.log(Modifieddate1); //2016-04-13T00:00:00.000Z (for 1 month) |
|  | console.log(Modifieddate2); //2017-03-14T00:00:00.000Z (for 1 years) |
|  | console.log(Modifieddate3); //2018-03-14T00:00:00.000Z (for 2 years) |
|  | console.log(Modifieddate.toString()); //o/p: Thu Mar 17 2016 05:30:00 GMT+0530 (India Standard Time) |
|  |  |
|  |  |
|  | console.log(MonthNames[Modifieddate.getMonth()] , Modifieddate.getFullYear(),Modifieddate.getDate()); //O/P: March 2016 17 |