

Questions on Date in JS

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- // write a function that takes a date string ("2025-06-20") and prints the day of week

```
function getDayWeek(date){
  let days = ['Sunday', 'Monday', 'Tuesday', 'Wednesday',
    'Thursday', 'Friday', 'Saturday'];
  let d = new Date(date);
  return days[d.getDay()];
}
console.log(getDayWeek("2025-06-20")); // Friday
```

- // write a function that calculates the a person's age based on their birthdate

```
function calculateAge(bithdate){
  let birthdate = new Date(bithdate);

  let today = new Date();

  let age = today.getFullYear() - birthdate.getFullYear();
  return age;
}
console.log(calculateAge("03-09-2003")); // 21
```

- // write a program that as 10 days to the current date and prints the new date

```
function addDays(numDays){
  let today = new Date();
  today.setDate(today.getDate() + numDays);
  return today.toDateString();
}
console.log(addDays(10));
```

- // write a function that calculates the how many days are left until 30th november 2025

```
function daysUntil(targetDate){
  let today = new Date();
  let target = new Date(targetDate);
  let diffTime = target - today;
  let diffDays = Math.ceil(diffTime / (1000 * 60 * 60 * 24));
  return diffDays;
}
console.log(daysUntil("2025-11-30"));
```

- // A function returns the date in format in YYYY/MM/DD

```
function formatDate(date){
  let d = new Date(date);
  let year = d.getFullYear();
  let month = String(d.getMonth() + 1).padStart(2, '0');
  let day = String(d.getDate()).padStart(2, '0');
  return `${year}/${month}/${day}`;
}
console.log(formatDate("June 5, 2025"));
console.log(formatDate("2024-3-9"));
```

- // Check if a year is a leap year

```
function isLeapYear(year){
  return (year % 4 === 0 && year % 100 !== 0) || (year % 400 === 0);
}
console.log(isLeapYear(2024)); // true
console.log(isLeapYear(2023)); // false
console.log(isLeapYear(2000)); // true
console.log(isLeapYear(1900)); // false
```

- // write a program to display next 7 days starting from today

```
function next7Days(){
  let days = [];
  let today = new Date();
  for(let i = 1; i <= 7; i++){
    let nextDay = new Date(today);
    nextDay.setDate(today.getDate() + i);
    days.push(nextDay.toString());
  }
  return days;
}
console.log(next7Days());
```