

## JavaScript Date, Async, Promise & Fetch - Complete Solutions

### SECTION 1 - Date Object

#### TASK 1 - Digital Clock

```
function digitalClock() {
  let now = new Date();
  let h = now.getHours();
  let m = now.getMinutes();
  let s = now.getSeconds();

  h = h < 10 ? "0"+h : h;
  m = m < 10 ? "0"+m : m;
  s = s < 10 ? "0"+s : s;

  console.log(`Current Time: ${h} : ${m} : ${s}`);
}
setInterval(digitalClock,1000);
```

#### TASK 2 - Current Day

```
let days=["Sunday","Monday","Tuesday","Wednesday","Thursday","Friday","Saturday"];
let today=new Date();
console.log("Today is "+days[today.getDay()]);
```

#### TASK 3 - Age Calculator

```
let birthYear=2003;
let age=new Date().getFullYear()-birthYear;
console.log("Your age is "+age);
```

#### TASK 4 - Specific Date

```
let d=new Date();
d.setFullYear(2020);
d.setMonth(7);
d.setDate(15);
d.setHours(10);
d.setMinutes(30);
d.setSeconds(45);
console.log(d.toLocaleString());
```

### SECTION 2 - Timeout & Interval

#### TASK 5 - Delayed Message

```
setTimeout(()=>{
  console.log("Welcome Naveen ■");
},3000);
```

#### TASK 6 - Stop Interval

```
let count=1;
let interval=setInterval(()=>{
  console.log(count);
  count++;
  if(count>5){
    clearInterval(interval);
    console.log("Stopped");
  }
},1000);
```

### SECTION 3 - Promise

```
let number=15;
let check=new Promise((resolve,reject)=>{
  number>10 ? resolve("Valid number") : reject("Invalid number");
});
```

```
check
.then(res=>console.log(res))
.catch(err=>console.log(err))
.finally(()=>console.log("Done"));
```

#### SECTION 4 - Fetch

```
fetch("https://fakestoreapi.com/products")
.then(res=>res.json())
.then(data=>{
  data.forEach(p=>{
    console.log("Product: "+p.title);
    console.log("Price: "+p.price);
    console.log("-----");
  });
})
.catch(err=>console.log(err));
```

#### SECTION 5 - Execution Order

```
function one(){console.log("one");}
function two(){console.log("two");}
function three(){console.log("three");}
```

```
one();
setTimeout(two,0);
three();
```

Output:

```
one
three
two
```