

excercise

Q.Create a digital clock which will have the following functionalities:

1. It should display the time and date.
2. Show the time in 12 hours format with AM and PM
3. Display a message to the top that if its Morning, Evening or Nigh

Ans.

Code:

```
<!DOCTYPE html>

<html>

<head>

<title> Digital clock </title>

<style>

    html , body{

        margin: 0;

        padding: 0;

    }

    *{

        box-sizing: border-box;

    }

    #clock{
```

```
background-color: blue;
```

```
text-align: center;
```

```
font-size: xx-large;
```

```
font-weight: bold;
```

```
color: white;
```

```
height: 440px;
```

```
width:500px;
```

```
padding-top:50px;
```

```
}
```

```
.greet1{
```

```
    background-color: blue;
```

```
    height: 80px;
```

```
text-align: center;
```

```
font-size: x-large;
```

```
font-weight: bold;
```

```
color: white;
```

```
}
```

```
.dmy1{
```

```
    background-color: blue;
```

```
    height: 60px;
```

```
text-align: center;

font-size: large;

font-weight: bold;

color: white;

}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div id="clock">
```

```
<h3 class="greet1" id="greet"> </h3>
```

```
<span id="clock_hr">00</span>
```

```
<span>:</span>
```

```
<span id="clock_min">00</span>
```

```
<span>:</span>
```

```
<span id="clock_sec"> </span>
```

```
<span id="ampm"> </span>
```

```
<div class="dmy1" id="dmy">
```

</div>

</div>

<script type="text/javascript">

 window.onload=clock_func();

 function clock_func() {

 var dt = new Date();

 var hrs = dt.getHours();

 var min = dt.getMinutes();

 var sec = dt.getSeconds();

 document.getElementById('clock_hr').innerHTML = dt.getHours();

 document.getElementById('clock_min').innerHTML = dt.getMinutes();

 document.getElementById('clock_sec').innerHTML = dt.getSeconds();

 if (hrs > 12) {

 var i= 'PM';

 document.getElementById('ampm').innerHTML = i;

```
}  
  
else {  
  
document.getElementById('ampm').innerHTML = 'AM';  
  
}
```

```
var time;
```

```
time = setInterval('clock_func();', 1000);
```

```
}
```

```
if (i=='am') {
```

```
    document.getElementById('greet').innerHTML = 'Good Morning';
```

```
} else{
```

```
    document.getElementById('greet').innerHTML = 'Good Evening';
```

```
}
```

```
var currentDate = new Date(),
```

```
day = currentDate.getDate(),
```

```
month = currentDate.getMonth() + 1,
```

```
year = currentDate.getFullYear();
```

```
document.getElementById('dmy').innerHTML= day + "-" + month + "-" + year ;
```

</script>

</body>

</html>