

# MINOR PROJECT – AGE CALCULATOR

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## SOURCE CODE :

### Index.html :

```
<!DOCTYPE html>

<html lang='en'>

<head>

  <meta charset='UTF-8'>

  <meta http-equiv='X-UA-Compatible' content='IE=edge'>

  <meta name='viewport' content='width=, initial-scale=1.0'>

  <link rel='stylesheet' href='style.css'>

  <title>Age Calc by Vishranth MSK</title>


</head>

<body>


  <div class="container">

    <div class="inputs-wrapper">

      <input type="date" name="date" id="date-input">

      <button onclick="ageCalculate()">Calculate</button>

    </div>

    <div class="output">
```

```
<div>

    <span id="year">-</span>

    <p>Year</p>

</div>

<div>

    <span id="month">-</span>

    <p>Month</p>

</div>

<div>

    <span id="day">-</span>

    <p>Day</p>

</div>

</div>

</div>

<script src="./script.js"></script>

</body>

</html>
```

### **style.css :**

```
*

{

    margin: 0;

    padding: 0;

    box-sizing: border-box;

    font-family: sans-serif;

}

body

{
```

```
display: flex;

align-items: center;

justify-content: center;

min-height: 100vh;

background: #b268bb;

}

.container
{
width: 40%;

min-width: 450px;

position: absolute;

top: 50%;

left: 50%;

transform: translate(-50%,-50%);

padding: 50px 30px;
}

.container *
{
outline: none;

border: none;
}

.container .inputs-wrapper
{
background-color: #fff;

padding: 30px 25px;

box-shadow: 0 15px 25px rgba(0,0,0,0.3);

border-radius: 8px;

margin-bottom: 50px;
}
```

```
.inputs-wrapper input,  
.inputs-wrapper button  
{  
  background: #34588c;  
  border-radius: 5px;  
  color: #fff;  
  font-weight: 500;  
  height: 50px;  
}  
.inputs-wrapper input  
{  
  width: 60%;  
  padding: 0 20px;  
  font-size: 14px;  
  color: #fff;  
}  
.inputs-wrapper button  
{  
  width: 30%;  
  float: right;  
  padding: 0 20px;  
  cursor: pointer;  
}  
.output  
{  
  width: 100%;  
  display: flex;  
  justify-content: space-between;  
}  
.output div  
{
```

```
width: 100px;
height: 100px;
color: #34588c;
background: #fff;
box-shadow: 0 15px 25px rgba(0,0,0,0.3);
display: grid;
place-items: center;
border-radius: 50%;
padding: 20px 0;
}
.output div span
{
font-size: 30px;
font-weight: 500;
}
.output div p
{
font-size: 14px;
color: #707070;
font-weight: 400;
}
```

**script.js :**

```
const months = [31,28,31,30,31,30,31,31,30,31,30,31];
```

```
function ageCalculate() {
```

```

let today = new Date();

let inputDate = new Date(document.getElementById('date-input').value);

let birthYear, birthMonth, birthDay;

let birthDetails = {
    year: inputDate.getFullYear(),
    month: inputDate.getMonth()+1,
    date: inputDate.getDate(),
}

let currentYear = today.getFullYear();
let currentMonth = today.getMonth()+1;
let currentDate = today.getDate();

leapChecker(currentYear);

if (birthDetails.year > currentYear ||
    (birthDetails.month > currentMonth && birthDetails.year == currentYear) ||
    (birthDetails.date > currentDate && birthDetails.month == currentMonth && birthDetails.year
== currentYear))
{
    alert('Not Born yet');
    displayResult("-", "-", "-");
    return;
}

birthYear = currentYear - birthDetails.year;

if (currentMonth >= birthDetails.month) {
    birthMonth = currentMonth - birthDetails.month;
}else{
    birthYear--;

```

```
    birthMonth = 12 + currentMonth - birthDetails.month;
}
```

```
if (currentDate >= birthDetails.date) {
    birthDay = currentDate - birthDetails.date;
}else{
    birthMonth--;
    let Day = months[currentMonth - 2];
    birthDay = Day + currentDate - birthDetails.date;
    if (birthMonth < 0) {
        birthMonth = 11;
        birthYear--;
    }
}
```

```
displayResult(birthYear, birthMonth, birthDay);
```

```
function displayResult(bYear, bMonth, bDay) {
    document.getElementById('year').textContent = bYear;
    document.getElementById('month').textContent = bMonth;
    document.getElementById('day').textContent = bDay;
}
```

```
}
```

```
function leapChecker(year) {
    if(year % 4 == 0 || (year % 100 == 0 && year % 400 == 0)){
        months[1] = 29;
    }else{
        months[1] = 28;
    }
}
```

```
}  
  
}
```

## OUTPUT :





