GitHub : https://github.com/Alonelover10/iwp3.git

1)

Html:

```html
<!DOCTYPE html>

<html lang="en" dir="ltr">
   <head>
      <meta charset="utf-8">
      <title>Password Strength</title>
      <link rel="stylesheet" href="style.css">
   </head>
   <body>
     <div class="top">
      Password Strength Checker
     </div>
     <div class="container">
        <header>Enter your password here</header>
```

```html
        <form action="#">
            <div class="field">
                <input onkeyup="trigger()" type="password" placeholder="Type password">
                <span class="showBtn">SHOW</span>
            </div>
            <div class="indicator">
                <span class="weak"></span>
                <span class="medium"></span>
                <span class="strong"></span>
                <span class="uncrackable"></span>
            </div>
            <div class="text"></div>
        </form>
        <div class="sujs">
         <button onclick="myFunction()">Suggest a passoword</button>
         <p id="hi"></p>
        </div>
    </div>
    <script>
        const indicator = document.querySelector(".indicator");
        const input = document.querySelector("input");
        const weak = document.querySelector(".weak");
        const medium = document.querySelector(".medium");
        const strong = document.querySelector(".strong");
        const uncrack=document.querySelector(".uncrackable");
        const text = document.querySelector(".text");
        const showBtn = document.querySelector(".showBtn");

        function myFunction()
        {
         var length = 8,
        charset = "abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789",
        retVal = "";
    for (var i = 0, n = charset.length; i < length; ++i) {
        retVal += charset.charAt(Math.floor(Math.random() * n));
        }
        document.getElementsById("hi").innerHTML(retVal);
        }
        let regExpWeak = /[a-z]/;
        let regExpMedium = /\d+/;
        let regExpStrong = /.[!,@,#,$,%,^,&,*,?,_,~,-,(,)]/;
        let up= /[A-Z]/;
        function trigger(){
          if(input.value != ""){
            indicator.style.display = "block";
            indicator.style.display = "flex";
            if(input.value.match(regExpWeak) ||
input.value.match(regExpMedium)||input.value.match(regExpStrong) )no=1 ;
            if((input.value.match(regExpWeak) && input.value.match(regExpMedium)))no=2;
            if(input.value.match(regExpWeak) && input.value.match(regExpMedium) &&
input.value.match(up))no=3;
            if(input.value.match(regExpWeak) && input.value.match(regExpMedium) &&
input.value.match(regExpStrong)&& input.value.match(up))no=4;
            if(no==1){
```

```javascript
            weak.classList.add("active");
            text.style.display = "block";
            text.textContent = "Your password is Weak";
            text.classList.add("weak");
          }
          if(no==2){
            medium.classList.add("active");
            text.textContent = "Your password is Moderate";
            text.classList.add("medium");
          }else{
            medium.classList.remove("active");
            text.classList.remove("medium");
          }
          if(no==3){
            weak.classList.add("active");
            medium.classList.add("active");
            strong.classList.add("active");
            text.textContent = "Your password is strong";
            text.classList.add("strong");
          }else{
            strong.classList.remove("active");
            text.classList.remove("strong");
          }
          if(no==4){
            weak.classList.add("active");
            medium.classList.add("active");
            strong.classList.add("active");
            uncrack.classList.add("active");
            text.textContent = "Your password is Uncrackable";
            text.classList.add("uncrackable");
          }else{
            uncrack.classList.remove("active");
            text.classList.remove("uncrackable");
          }
          showBtn.style.display = "block";
          showBtn.onclick = function(){
            if(input.type == "password"){
              input.type = "text";
              showBtn.textContent = "HIDE";
              showBtn.style.color = "#23ad5c";
            }else{
              input.type = "password";
              showBtn.textContent = "SHOW";
              showBtn.style.color = "#000";
            }
          }
        }else{
          indicator.style.display = "none";
          text.style.display = "none";
          showBtn.style.display = "none";
        }
      }
    </script>
  </body>
```

```
</html>
```

CSS:

```css
*{
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  font-family: 'Poppins', sans-serif;
}
.top{
  color: #CEF0D4;
   font-family: 'Rouge Script', cursive;
    font-size: 50px;
     font-weight: normal;
      line-height: 48px;
       margin: 0 0 50px;
        text-align: center;
         text-shadow: 1px 2px #082b34;
}
html,body{
  display: grid;
  height: 100%;
  place-items: center;
  text-align: center;
  background: #f2f2f2;
}
.container{
  background: #fff;
  padding: 10px 30px;
  width: 420px;
  border-radius: 5px;
  box-shadow: 0 0 15px rgba(0,0,0,0.2);
}
.container header{
  font-size: 24px;
  font-family: 'Rouge Script', cursive;
  font-weight: 600;
  line-height: 33px;
  text-shadow: 1px #082b34;
}
.container form{
  margin: 20px 5px 10px 5px;
  position: relative;
}
.container form .field{
  height: 45px;
  width: 100%;
  display: flex;
  position: relative;
}
form .field input{
  width: 100%;
```
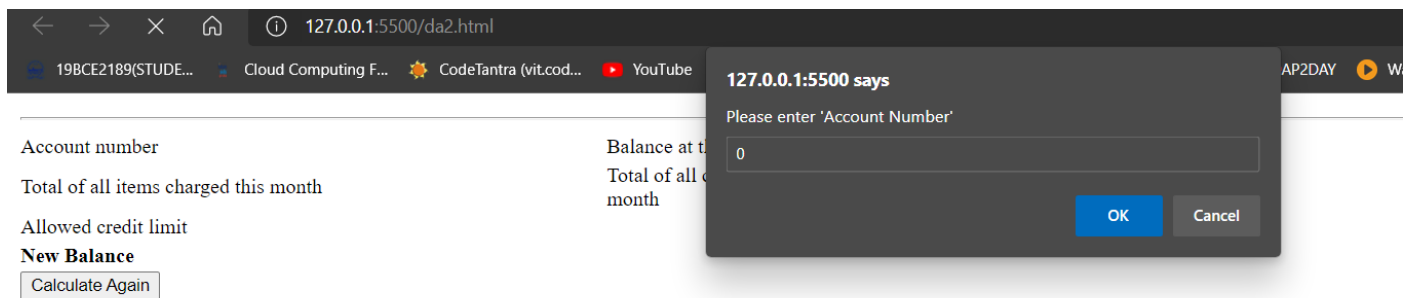
```css
    height: 100%;
    border: 1px solid lightgrey;
    padding-left: 15px;
    outline: none;
    border-radius: 5px;
    font-size: 17px;
    transition: all 0.3s;
}
form .field input:focus{
    border-color: #27ae60;
    box-shadow: inset 0 0 3px #2fd072;
}
form .field .showBtn{
    position: absolute;
    right: 10px;
    top: 50%;
    transform: translateY(-50%);
    font-size: 15px;
    font-weight: 600;
    cursor: pointer;
    display: none;
    user-select: none;
}
form .indicator{
    height: 10px;
    margin: 10px 0;
    display: flex;
    align-items: center;
    justify-content: space-between;
    display: none;
}
form .indicator span{
    position: relative;
    height: 100%;
    width: 100%;
    background: lightgrey;
    border-radius: 5px;
}
form .indicator span:nth-child(2){
    margin: 0 3px;
}
form .indicator span.active:before{
    position: absolute;
    content: '';
    top: 0;
    left: 0;
    height: 100%;
    width: 100%;
    border-radius: 5px;
}
.indicator span.weak:before{
    background-color: #ff4757;
}
.indicator span.medium:before{
```

```css
  background-color: orange;
}
.indicator span.strong:before{
  background-color: blue;
}
.indicator span.uncrackable::before{
    background-color: #23ad5c;
}
form .text{
  font-size: 20px;
  font-weight: 500;
  display: none;
  margin-bottom: -10px;
}
form .text.weak{
  color: #ff4757;
}
form .text.medium{
  color: orange;
}
form .text.strong{
  color: blue;
}
form .text.uncrackable{
    color: #23ad5c;
  }
```

2)


```html
<!DOCTYPE html>
<html>
<head lang="en">
<title>Balance Calculator</title>
<meta charset="utf-8"/>
<script type="text/javascript">
function getBalance()
{
var accountNumber = prompt("Please enter 'Account Number'", "0");
var balance = prompt("Please enter 'Balance at the beginning of month'", "0");
```

```html
var totalCharges = prompt("Please enter 'Total of all items charged this month'", "0");
var totalCredits = prompt("Please enter 'Total of all credits applied this month'", "0");
var totalCreditsAvailable = prompt("Please enter 'Allowed credit limit'", "0");
document.getElementById("lblAccountNumber").innerHTML = accountNumber;
document.getElementById("lblAccountBalance").innerHTML = balance;
document.getElementById("lblMonthCharges").innerHTML = totalCharges;
document.getElementById("lblAccountCredits").innerHTML = totalCredits;
document.getElementById("lblCreditLimit").innerHTML = totalCreditsAvailable;
var availableBalance = parseInt(balance) + (parseInt(totalCredits) -
parseInt(totalCharges));
if(availableBalance > 0)
document.getElementById("lblNewBalance").innerHTML = availableBalance;
else
document.getElementById("lblNewBalance").innerHTML = availableBalance + " (Credit Balance
Exceeded.)";
}
</script>
</head>
<body onload="getBalance();">
<table style="width:100%;">
<tr>
<td colspan="4" style="width:100%;"><hr/></td>
</tr>
<tr>
<td style="width:20%;">
Account number
</td >
<td style="width:10%;">
<label id="lblAccountNumber"></label>
</td>
<td style="width:20%;">
Balance at the beginning of the month
</td>
<td style="width:50%;">
<label id="lblAccountBalance"></label>
</td>
</tr>
<tr>
<td style="width:20%;">
Total of all items charged this month
</td>
<td style="width:10%;">
<label id="lblMonthCharges"></label>
</td>
<td style="width:20%;">
Total of all credits applied to account this month
</td>
<td style="width:50%;">
<label id="lblAccountCredits"></label>
</td>
</tr>
<tr>
<td style="width:20%;">
Allowed credit limit
```

```html
</td>
<td colspan="3" style="width:80%;">
<label id="lblCreditLimit"></label>
</td>
</tr>
<tr>
<td style="width:20%;">
<b>New Balance</b>
</td>
<td colspan="3" style="width:80%;">
<b><label id="lblNewBalance"></label></b>
</td>
</tr>
<tr>
<td colspan="4" style="width:100%;">
<button onclick="getBalance();">Calculate Again</button>
</td>
</tr>
</table>
</body>
</html>
```