

1)

Password Strength Checker

Enter your password here

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>
      <form action="#">
        <div class="field">
          <input onkeyup="trigger()" type="password" placeholder="Type password">
        </div>
      </form>
    </div>
  </body>
</html>
```

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        <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 password</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.getElementById("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){
                weak.classList.add("active");
                text.style.display = "block";
                text.textContent = "Your password is Weak";

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        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:

```
*{
  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%;
  height: 100%;
  border: 1px solid lightgrey;
  padding-left: 15px;
}
```

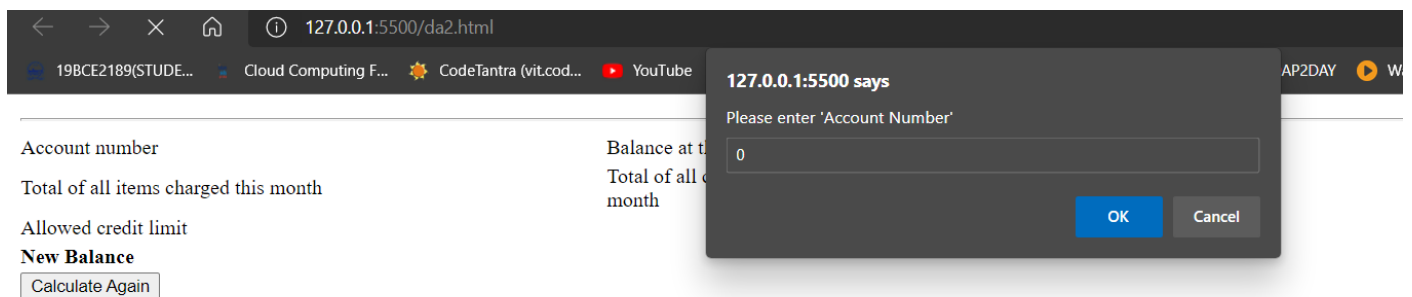
```
outline: none;
border-radius: 5px;
font-size: 17px;
transition: all 0.3s;
}
form .field input:focus{
border-color: #27ae60;
box-shadow: inset 0 0 3px #2fd072;
}
form .field .showBtn{
position: absolute;
right: 10px;
top: 50%;
transform: translateY(-50%);
font-size: 15px;
font-weight: 600;
cursor: 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{
background-color: orange;
}
.indicator span.strong:before{
```

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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)



```

<!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");
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");

```

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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
</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>
```