**MINI PROJECT**

**RANDOM PASSWORD GENERATOR**

**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=device-width,initial-scale=1.0"/>

<title>

Random Password Generator

</title>

<link rel="stylesheet" href="style.css"/>

<link rel="stylesheet" href="https://unicons.iconscout.com/release/v4.0.0/css/line.css"/>

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

</head>

<body>

<div class="wrapper">

<div class="password-box">

<input type="text">

<i class="uil uil-copy copy-icon"></i>

</div>

<div class="range-box">

<input type="range" min="5" max="30" value="8"/>

<span class="slider-number">8</span>

</div>

<button class="generate-button">Generate Password </button>

</div>

</body>

</html>

**CSS:**

\*{

margin:0;

padding:0;

box-sizing: border-box;

}

body{

min-height: 100vh;

display: flex;

align-items: center;

justify-content: center;

background-color: purple;

}

.wrapper{

position: relative;

max-width: 300px;

width: 100%;

background: rgb(241, 251, 251);

border-radius: 12px;

padding: 30px 25px;

box-shadow: 0 5px 10px rgba(0, 0, 0, 0.1);

}

.wrapper .password-box

{

position: relative;

height: 50px;

}

.password-box input{

height: 100%;

width:100%;

border-radius:8px;

padding: 0 45px 0 15px;

border: 1px solid black;

background-color:transparent;

}

.password-box .copy-icon

{

position: absolute;

right: 15px;

top: 50%;

color: rgb(9, 9, 9);

font-size: 20px;

cursor:pointer;

transform: translateY(-50%);

}

.copy-icon:hover

{

color:bisque;

}

.wrapper .range-box

{

display: flex;

align-items: center;

margin-top: 20px;

}

.range-box input

{

width: 100%;

height: 5px;

accent-color: rgb(102, 27, 102);

cursor: pointer;

}

.range-box .slide-number

{

min-width: 30px;

text-align: right;

font-size: 17px;

color: black;

}

.wrapper .generate-button

{

width: 100%;

color: antiquewhite;

padding: 12px 0;

margin-top: 20px;

background: rgb(241, 80, 241);

border: none;

border-radius: 8px;

cursor: pointer;

transition: all 0.2s ease;

}

.generate-button:hover

{

background-color: rgba(203, 7, 203, 0.758);

}

**JAVASCRIPT:**

const passwordInput = document.querySelector(".password-box input"),

copyIcon = document.querySelector(".password-box .copy-icon"),

rangeInput = document.querySelector(".range-box input"),

sliderNumber = document.querySelector(".range-box .slider-number"),

generateButton = document.querySelector(".generate-button");

let allCharacters = "abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789!@#$%^&\*()-=+\_~.,;:<>{}[]|";

const generatePassword = () => {

let newPassword = "";

for (let i=0; i < rangeInput.value; i++ ){

let randomNumbers = Math.floor(Math.random() \* allCharacters.length);

newPassword += allCharacters[randomNumbers];

}

passwordInput.value = newPassword;

copyIcon.classList.replace("uil-file-check-alt", "uil-copy");

};

rangeInput.addEventListener("input",() => {

sliderNumber.innerText = rangeInput.value;

generatePassword();

});

copyIcon.addEventListener("click", () => {

navigator.clipboard.writeText(passwordInput.value);

copyIcon.classList.replace("uil-copy", "uil-file-check-alt");

});

generatePassword();

generateButton.addEventListener("click" ,generatePassword);