**2. Design a Password generator - a program that generates random characters as password for users**

**File main.html**

<!DOCTYPE html>

<html>

<head>

<title>Password Generator</title>

<link rel="stylesheet" href="https://pyscript.net/alpha/pyscript.css" />

<script defer src="https://pyscript.net/alpha/pyscript.js"></script>

<style>

h1{

color: rgb(13, 13, 14);

font-size: 300%;

text-align: center;

}

.file{

margin: auto;

width: 50%;

background-color: rgb(29, 57, 99);

font-size: 210%;

color: rgb(25, 175, 28);

}

</style>

</head>

<body>

<h1>Password Generator</h1>

<div class = "file">

<py-script src ="python.py"></py-script>

</div>

</body>

</html>

**File pyhton.py**

import random

import string

def generate\_password():

length = int(input())

characters = string.ascii\_letters + string.digits + string.punctuation

password = ''.join(random.choice(characters) for \_ in range(length))

return password

password = generate\_password()

print("Generated Password:", password)

**Output:**

