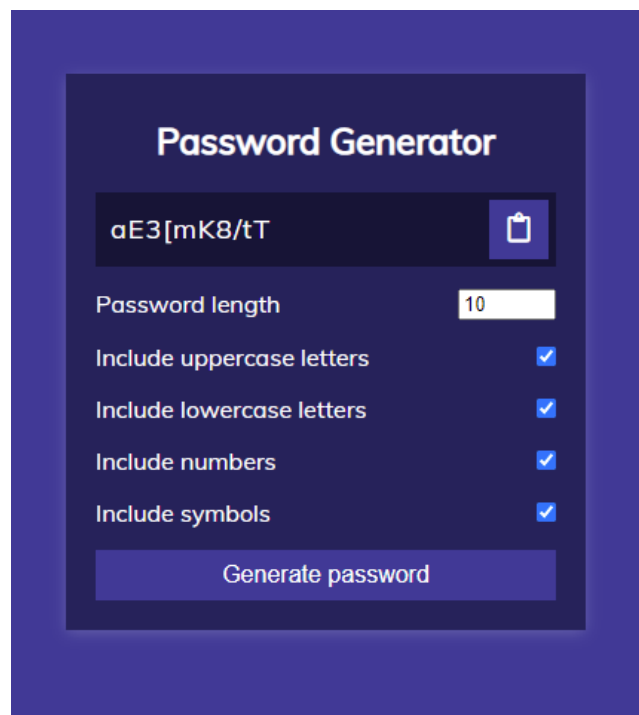


In today's CC, create a password generator application as per the given specification.

There should be 4 options of choosing what to include in the generated password i.e. uppercase and lowercase letters, numbers, and symbols.

User should be able to specify the length of the generated password.

Clicking on generate password button will generate a random password as per the chosen conditions.

A screenshot of a web-based Password Generator application. The interface has a dark blue background. At the top, the title "Password Generator" is displayed in white. Below the title, a text input field shows the generated password "aE3[mK8/tT". To the right of the input field is a small blue icon of a clipboard. Below the input field, there is a section for settings. "Password length" is set to "10" in a white input field. Below this, there are four checkboxes, all of which are checked with blue checkmarks: "Include uppercase letters", "Include lowercase letters", "Include numbers", and "Include symbols". At the bottom of the settings section is a large blue button with the text "Generate password" in white.

[Click Here for GIF](#)

As a **bonus**, you can add a button which will copy the generated password onto the user's clipboard.

Hints:

[String.fromCharCode\(\) MDN](#)

[String.fromCharCode\(\) W3](#)

[Math.random\(\)](#)

Note:

- No embedded JavaScript. Your JavaScript code should be written in a .js/.mjs file and should be linked accordingly.
- You can design the UI in any way you like.
- Also focus on code readability and proper approach along with usage of ES6 and modules wherever possible.