**COMSATS University Islamabad (Lahore Campus)**

**Assignment 4**

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| Course Title: | Web Technologies | Course Code: | CSC 336 | Credit Hours: | 3 |
| Course Instructor/s: | Ali Hassan | Program Name: | BSE-A | | |
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**Npm Link:**

<https://www.npmjs.com/package/@airejtashfeen/randompasswordgenerator>

To use the npm package simply type:

npm install @airejtashfeen/randompasswordgenerator@1.0.0

**Explanation of code:**

In this code I’ve made a simple class **Password** having a method “generatePassword” that expects a length parameter that the user would specify.

Method: generatePassword(len)

This method generates a random password of a specified length (len) following certain rules:

It uses three character sets: lowercase letters (chars), numbers (nums), and special characters (specials).

If the specified length is less than 3, it returns an error message: "Your Password should be above 3 characters."

Otherwise, it constructs the password by randomly selecting characters from each set, ensuring that the length requirement is met.

The password is then trimmed to the specified length, and the final password is returned.

**THANK YOU!**