Coding Assignment – Associate Software Engineer

As part of our hiring process, we send out assignments related to the position to test

your skills. You will find the assignment below.

The goal of this assignment is to understand the potential of your skills and what kind of approach you take while solving problems related to the position of Associate Software Engineer.

The due date of the assignment is 1 week.

Only the candidate who successfully completes all three assignments will be considered for the next interview round.

Our technical team will review your assignment once you have completed and submitted it, and based on the assignment, we will schedule your next interview round.

Assignment Submission: Deploy the working code to GitHub and share the repository link with
careers@cloudvandana.com

Assignment

Please note that it would be preferable to avoid relying on built-in methods such as collections, shuffle in Java, or arrow functions of JavaScript. Instead, creating a method or function from scratch and using your own logic in the assignment would be worth considering.
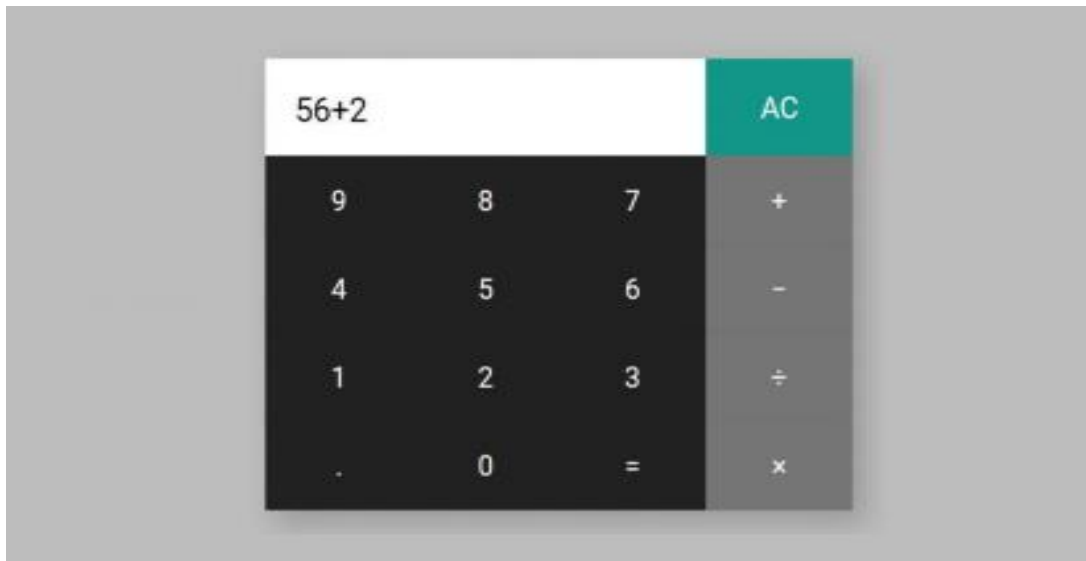
1. JAVA

A. Create an array with the values (1, 2, 3, 4, 5, 6, 7) and shuffle it.

B. Enter a Roman Number as input and convert it to an integer. (ex IX = 9)

C. Check if the input is pangram or not. (Pangram is a sentence that contains all the alphabet from a-z)

2 JavaScript

A. Take a sentence as an input and reverse every word in that sentence.

    a. Example - This is a sunny day > shiT si a ynnus yad.

B. Perform sorting of an array in descending order.

3. HTML

A. Create a basic calculator using HTML, CSS, and JavaScript with the functionality of add, subtract, multiply and divide. Use the following picture for reference.

B. Create a survey form with Fields; First Name, Last Name, Date of Birth, Country (dropdown), Gender (checkbox), Profession, email, and mobile number. All the input fields are necessary to submit the form. Create two buttons Submit and Reset. Reset will reset the form while clicking on submit, first, it will check all the fields and necessary validations and then a popup will appear displaying all the selected values with the label in front of it. On closing the popup, the form should reset all the values. Use the following for reference