

## Problem Solving & Coding – Level I [Language Foundations] (Simulation)

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Solve the following problems using computer with help of Python/C++/Java/C# language as means of communication.

### Problem 1: Dice Rolling

Create a function named *rollDice* that simulates the rolling of five dice and returns "Yahoo" if all five dice are the same. Otherwise it should return "Try again".

Write a main function to demonstrate the function.

### Problem 2: Dice Game

Create a function named *diceGame* that simulates the number of times 6 will appear in 10 dice throws.

Write a main function to demonstrate the function.

### Problem 3: Random Password

Create a function named *randomPassword* that generates a random password. The password should have a random length between 7 and 10 characters. Each character should be randomly selected from positions 33 to 126 in the ASCII table. Your function will not take any parameters. It will return the randomly generated password as its only result.

Write a main program that calls your function and displays the randomly generated password.