Scoot Test Assignment –

1. Explain how you would design the Game of Poker? Provide details regarding the backend components, classes, and methods.
   P.S. *– Clearly state any assumptions you make. [Max people playing at a time is 7, Min. is 3]*

2. Given an array of non-negative integers, return positions of the two numbers such that they add up to a specific target. Each set of input will have *exactly* one solution, and you can't use the same element twice while adding.
   Ex: *Given Set = [3, 7, 12, 18], target = 10,*
   Because Set [0] + Set [1] = 3 + 7 = 10, return [0, 1].

3. You have an infinite supply of ₹1, ₹2, ₹5, and ₹10 coins, write a code to determine the number of ways of representing ₹N.

4. Given n non-negative integers p_1, p_2, ..., p_n, where each represents a point at coordinate (i, p_i). n vertical lines are drawn such that the two endpoints of line i is at (i, p_i) and (i, 0). Find two lines, which together with x-axis forms a container, such that the container contains the most water.
   P.S. *– You can't slant the container and n>=2*