Assessment NodelS

Write a recursive function foo(int n) that returns Fn where n = 0, then foo(0) should return 0. If n = 1, then foo(1) should return 1 and if n > 1, it should return Fn-1 + Fn-2.
 Based on the user input value system should return the value.

Sample Results: foo(0) = 0, foo(1) = 1, foo(2) = 1, foo(3) = 3, foo(4) = 5

- 2. Read a text file (file should be in base64 format) and save that data in MongoDB. You have to use a non-blocking asynchronous method and events.
- 3. Write a function to reverse a string without affecting special characters. Given a string that contains special characters together with alphabets ('a' to 'z' and 'A' to 'Z'), reverse the string in a way that special characters are not affected.

Examples:

Input: "a,b\$c"
Output: "c,b\$a"

Input: "Ab,c,de!\$" Output: "ed,c,bA!\$"

4. Implement an API to generate a CSV report from a MongoDB collection. (You can use any MongoDB collection and module to implement this functionality)

Language: Node Js Database: Mongo DB

Note: You have to create a node server using Express.Js. You have to create 4 different API endpoints and get the user input.