Teahouse FInance - Junior DeFi Engineer work assignment

Please complete the following questions at your best ability and submit it back through Email

**Expect Complete Time:** 7 days

1. Write a function in Python which inputs are
   1. Mean
   2. Standard deviation
   3. Array length

that returns an array with specified length and its elements’ mean and standard deviation are close to the given values.

1. Write a simple backend server that uses port 12345 and implement an API of same functionality as Question 1.
   1. Any Python backend framework is acceptable.
   2. Need to provide doc in README.md.
      1. How to run your backend server.
      2. API usage including URL and sample call.
2. Write a simple function that fetches balance raw value from ERC20 smart contract, the inputs are
   1. ERC20 token address
   2. Query address
3. Write a simple backend server that uses port 22345 and implement an API of same functionality as Question 3.
   1. Any Python backend framework is acceptable.
   2. Need to provide doc in README.md.
      1. How to run your backend server.
      2. API usage including URL and sample call.