# Project: Stock Exchange on Multichain Platform

**Problem Statement:** The stock exchange model is centralized, slow, and expensive. Hence, optimization is required. Develop a Multichain based stock exchange market, which makes the system decentralized, simple, efficient, fast, transparent, and secure.

The objective of this project is to create a decentralized Stock Exchange platform using Multichain.

**Steps to Perform:**

Step 1: Run the following command using the first server: multichain-util create stockexchange

Step 2: Run the following command to initialize the Blockchain: multichaind stockexchange –daemon

Step 3: Run the following command using the second server to connect to this Blockchain:

multichaind stockexchange@[ip-address]:[port]

Step 4: Run the following command using the first server to add permission for the new address: multichain-cli stockexchange grant <walletaddress> connect

Step 5: Run the following command and try reconnecting using the second server:

multichaind stockexchange -daemon

Step 6: Run the following command using the first server to get the address that has the permission to create an asset pool: multichain-cli stockexchange listpermission issue

Step 7: Run the following command to create the company shares: multichain-cli stockexchange issue <peer-address> SimpliLtd 1000 0.01  
(1000 are the units, and they are divisible by 0.01)

Step 8: Run the following command using either of the servers to confirm the listing of the asset: multichain-cli stockexchange listassets