

Task

Socket Communication over Multi process application:

Process 1:

- Get list of instruments from <https://client.edelweiss.in/app/tocontracts/instruments.zip>
- Connect to price stream at `tocstream.edelweiss.in` and port 9443
- From the instruments, use the `exchangetoken` column to subscribe to the first 1000 tokens
- For subscribing use this request over socket

```
{
  "request":
  {
    "streaming_type": "quote3",
    "data":
    {
      "accType": "EQ",
      "symbols": //token_set
    },
    "formFactor": "M",
    "appID": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhcnAiOiAsImZmIjoiVyIsImJkIjoid2ViLXBjIiwibmJmIjoxNjE2Mzk3MzMyLCJzcmMiOiJlbXRtdyIsImF2IjoiMS4wLjAiLCJhcHBpZCI6ImQ5MDMlNjFiZTFhYWUyYWY3M2RjZTUjOWJhODFiODVlIiwiaXNzIjoiZWl0IiwizXhwIjoxNjE2NDM3ODAwLCJpYXQiOiE2MTYzOTc2MzJ9.iy2c_ialRdLSTLCHMHD0JM81DDUMHwGx9SrreVass8",
    "response_format": "json",
    "request_type": "subscribe"
  },
  "echo": {}
}
```

//token_set is a list of json objects where each elements looks like:

```
{"symbol": //exchangetoken}
```

token_set =[List of {"symbol": //exchangetoken}]

- Once you start receiving the prices, use the example format from here <https://www.edelweiss.in/docs/streaming/> to parse the data and extract LTP from each packet. Send the token and ltp to Process 2.

Process 2:

- Receive the Token and LTP of 1000 tokens from Process 1 and in every 1 second print all the tokens and their respective latest LTPs.