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This project was in two different way to solve the stock purchase max problem. I have done it with C++, and I implement two different function. Exhaustive_Search_Approach function was for exhaustive, and the_Dynamic_Programming_Approach function was for dynamic programming. Both function check max price of stock and purchase with fund with input. And print will be like down below.

```
nebil@nebil TheStockPurchaseMaxProblem % g++ -o nebil main.cpp
nebil@nebil TheStockPurchaseMaxProblem % ./nebil
=====================================================================

The_Dynamic_Programming_Approach

Companies is {{1, 2}, {2, 3}, {5, 6}, {6,7}} and fund 10
price of stock  7
price of stock  3
you can buy 2 with 10

=====================================================================
The_Dynamic_Programming_Approach

Compayies is {{1, 1}, {3, 2}, {5, 3}, {6, 4}, {3,5}} and fund 20

Five company stock and fund 20, you can buy 4 stock

=====================================================================
nebil@nebil TheStockPurchaseMaxProblem %
```