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OUTPUT

Case 1. (As example given in lab example)

1. buy 100 shares at \$20 each.
 2. buy 20 shares at \$24 each.
 3. buy 30 shares at \$36 each.
 4. Sell 150 shares at 30 each.
- Net capital gain should be \$940.

```
(base) bibekdhungana@Bibeks-MacBook-Pro lab5 % clear && g++ -o test Dhungana_Bibek_Lab05.cpp && ./test
*****
Enter the input in following format
"buy x share(s) at $y each" or "sell x share(s) at $y each"
Enter "status" to know gain or loss and "exit" to exit
*****
buy 100 shares at $20 each
100 share(s) bought at $20 each successfully
*****
Enter the input in following format
"buy x share(s) at $y each" or "sell x share(s) at $y each"
Enter "status" to know gain or loss and "exit" to exit
*****
buy 20 shares at $24 each
20 share(s) bought at $24 each successfully
*****
Enter the input in following format
"buy x share(s) at $y each" or "sell x share(s) at $y each"
Enter "status" to know gain or loss and "exit" to exit
*****
buy 30 shares at $36 each
30 share(s) bought at $36 each successfully
*****
Enter the input in following format
"buy x share(s) at $y each" or "sell x share(s) at $y each"
Enter "status" to know gain or loss and "exit" to exit
*****
sell 150 shares at $30 each
150 share(s) sold at $30 each successfully
*****
Enter the input in following format
"buy x share(s) at $y each" or "sell x share(s) at $y each"
Enter "status" to know gain or loss and "exit" to exit
*****
status
The capital Gain is 940
*****
Enter the input in following format
"buy x share(s) at $y each" or "sell x share(s) at $y each"
Enter "status" to know gain or loss and "exit" to exit
*****
```

Case 2: When you want to sell shares without buying it.

```
*****
Enter the input in following format
"buy x share(s) at $y each" or "sell x share(s) at $y each"
Enter "status" to know gain or loss and "exit" to exit
*****
sell 20 shares at $50 each
You have not bought any shares yet. Please, buy some shares first
*****
Enter the input in following format
"buy x share(s) at $y each" or "sell x share(s) at $y each"
Enter "status" to know gain or loss and "exit" to exit
*****
```

Case 3: when you check status of capital gain in the beginning without buying any shares.

```
*****
Enter the input in following format
"buy x share(s) at $y each" or "sell x share(s) at $y each"
Enter "status" to know gain or loss and "exit" to exit
*****
status
You have not bought any shares. Please buy some shares first
*****
Enter the input in following format
"buy x share(s) at $y each" or "sell x share(s) at $y each"
Enter "status" to know gain or loss and "exit" to exit
*****
```

Case 4: Exiting the program

```
*****
Enter the input in following format
"buy x share(s) at $y each" or "sell x share(s) at $y each"
Enter "status" to know gain or loss and "exit" to exit
*****
exit
Thank you for using our application. Have a nice day
*****
(base) bibekdhungana@Bibeks-MacBook-Pro lab5 %
```

Case 5: Giving invalid input.

```
*****
Enter the input in following format
"buy x share(s) at $y each" or "sell x share(s) at $y each"
Enter "status" to know gain or loss and "exit" to exit
*****
hfajgbkghdjkalfjhgdjksdlakjgh
Invalid Input. Check the instruction.
*****
Enter the input in following format
"buy x share(s) at $y each" or "sell x share(s) at $y each"
Enter "status" to know gain or loss and "exit" to exit
*****
```