

# Mr. Salemi finds winners and losers

Here is my solution with some hidden code.

## Read in the data and set up

These lines just read the data and capture the indices of the start and end days:

```
load dowdata.mat
startdays = [1 5,10,14];
fridays = [4 9 13 18];
```

## Finding the winners and losers

Finding the winners and losers (widx and lidx) **takes 3 lines**.

```
load dowdata.mat
startdays = [1 5,10,14];
fridays = [4 9 13 18];
diffPers = (prices(:,fridays) - prices(:,startdays))./
prices(:,startdays) .* 100;
[winners, widx] = max(diffPers);
[losers, lidx] = min(diffPers);
```

**Hidden code is 3 lines.**

## Outputting Results

Here I output the winners and losers. This takes one line each.

```
winning_tickers = tickers(widx)
```

```
winning_tickers = tickers(widx)
```

```
winning_tickers = 4x1 string
"MRK"
"MSFT"
"TRV"
"AA"
```

```
losing_tickers = tickers(lidx)
```

```
losing_tickers = tickers(lidx)
```

```
losing_tickers = 4x1 string
"WBA"
"WBA"
"WBA"
"MMM"
```