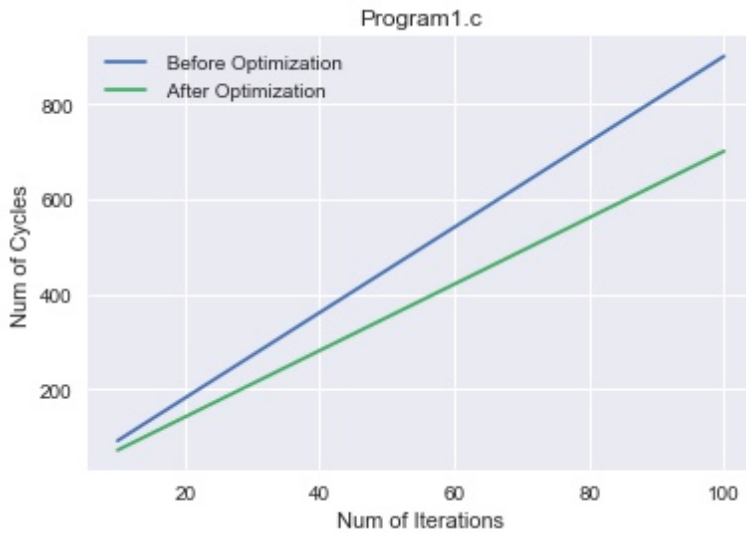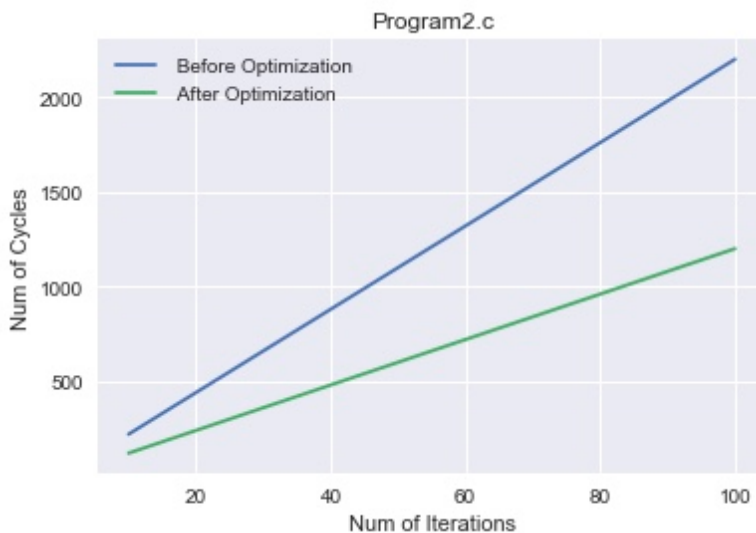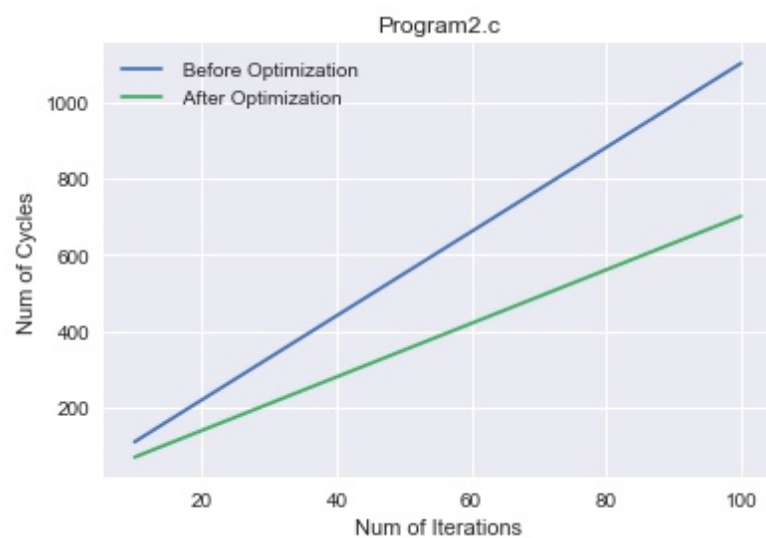# Project 1A Part 2 - cq4

d. Run each program for NUM_ITERATIONS equal to 10, 20, 40, 80 and 100 and record the number of cycles taken in each case. Make sure that the results are as expected.

Program1.c

```
x  = [10,  20,  40,  80, 100]
y  = [91, 181, 361, 721, 901]
y2 = [71, 141, 281, 561, 701]
```


Program2.c

```
x  = [ 10,  20,  40,   80,  100]
y  = [221, 441, 881, 1761, 2201]
y2 = [121, 241, 481,  961, 1201]
```

Program2.c

```
x  =  [ 10,   20,   40,   80,   100]
y  =  [111, 221, 441, 881, 1101]
y2 = [ 71, 141, 281, 561,   701]
```