

```
21     cout << "WES237A lab 3" << endl;
22
23     char key=0;
24
25     // 1 argument on command line: delay = arg
26     if(argc >= 2)
27     {
28         delay = atoi(argv[1]);
29     }
30
31     // Declare 2 cpu_count variables: 1 for before sleeping, 1 for after sleeping
32     unsigned int cpu_before, cpu_after;
33
34     // Initialize the counter
35     init_counters(1, 0);
36
37     // Get the cyclecount before sleeping
38     cpu_before = get_cyclecount();
39
40     // Sleep for the specified delay time
41     usleep(delay * 1000000);
42
43     // Get the cyclecount after sleeping
44     cpu_after = get_cyclecount();
45
46     // Subtract the before and after cyclecount
47     unsigned int cpu_diff = cpu_after - cpu_before;
48
49     // Print the cycle count
50     cout << "Cycle count difference: " << cpu_diff << endl;
51
52     LinuxTimer t;
53     usleep(delay * 1000000);
54     t.stop();
55     cpu_timer = t.getElapsed();
56
57     cout << "Timer: " << (double)cpu_timer/1000000000.0 << endl;
58
59     return 0;
60 }
61
```