

**Fall '20 CIS 314 Lab Assignment 7 - 10/10 points Due End of Wednesday,  
Nov 18th, 11:59pm**

Please Optimize the included C code

```
#define N 10000
#define n_times 10000

int main()
{
    double var[N];
    memset(var, 0, N);
    for (int iter = 0; iter < n_times; ++iter)
    {
        for (int i = 0; i < sizeof(var)/sizeof(var[0]); i++)
        {
            for (int j = 0; j < sizeof(var[0])*3; j++)
                var[i] += 1/((j+1)*(i+1));
        }
    }
    return 0;
}
```