Matrix Multiply

```
PS C:\Users\micha\Documents\DSU FILES\CSC 410 PARRALELL COMPUTING\Assignment 1\matrixMul> ./a
Matrices allocated successfully.
              : 215905
Ticks
              : 2.49890046296296E-07
TotalDays
TotalHours
               : 5.99736111111111E-06
              : 0.000359841666666667
TotalMinutes
TotalSeconds
              : 0.0215905
TotalMilliseconds: 21.5905
Ticks
               : 215905
TotalDays
              : 2.49890046296296E-07
TotalHours
              : 5.99736111111111E-06
TotalMinutes : 0.000359841666666667
TotalSeconds
               : 0.0215905
TotalMilliseconds : 21.5905
              : 215905
Ticks
TotalDays
              : 2.49890046296296E-07
TotalHours : 5.99736111111111E-06
              : 0.000359841666666667
TotalMinutes
Ticks
               : 215905
TotalDays
               : 2.49890046296296E-07
              : 5.9973611111111E-06
TotalHours
TotalMinutes
              : 0.000359841666666667
Ticks
              : 215905
              : 2.49890046296296E-07
TotalDays
              : 215905
Ticks
TotalDays
               : 2.49890046296296E-07
               : 215905
Ticks
TotalDays
              : 2.49890046296296E-07
TotalHours
              : 5.99736111111111E-06
              : 215905
Ticks
               : 2.49890046296296E-07
TotalDays
Ticks
               : 215905
TotalDays
              : 2.49890046296296E-07
TotalHours
              : 5.99736111111111E-06
Ticks
              : 215905
              : 2.49890046296296E-07
TotalDays
Ticks
               : 215905
Ticks
               : 215905
              : 2.49890046296296E-07
TotalDays
TotalHours
              : 5.99736111111111E-06
              : 0.000359841666666667
TotalMinutes
TotalSeconds
              : 0.0215905
TotalMilliseconds : 21.5905
PS C:\Users\micha\Documents\DSU FILES\CSC 410 PARRALELL COMPUTING\Assignment 1\matrixMul> ./a
Matrices allocated successfully.
Matrices initialized successfully.
Matrix multiplication complete!
Resulting Matrix C:
1111111111
1111111111
1111111111
1111111111
1111111111
1111111111
1111111111
1111111111
1111111111
1111111111
```

PS C:\Users\micha\Documents\DSU FILES\CSC 410 PARRALELL COMPUTING\Assignment 1\matrixMul> |

Sum Array

```
PS C:\Users\micha\Documents\DSU FILES\CSC 410 PARRALELL COMPUTING\Assignment 1> Measure-Command {./arraysum.exe}

Days : 0
Hours : 0
Minutes : 0
Seconds : 0
Milliseconds : 33
Ticks : 338745
TotalDays : 3.92065972222222E-07
TotalHours : 9.40958333333333E-06
TotalMinutes : 0.000564575
TotalSeconds : 0.0338745
TotalSeconds : 0.0338745
TotalMilliseconds : 33.8745

PS C:\Users\micha\Documents\DSU FILES\CSC 410 PARRALELL COMPUTING\Assignment 1> .\arraysum
Total Sum: 50005000
PS C:\Users\micha\Documents\DSU FILES\CSC 410 PARRALELL COMPUTING\Assignment 1> .\arraysum
```

N Queens:

```
.....Q...
..Q....
.Q.....
....Q....
Q.....
...Q....
...Q....
.....Q.
..Q....
.....Q
.Q....
....Q...
Q....
.....Q...
....Q....
.Q.....
.....Q.
...Q.....
.....Q...
....Q....
Q......
....Q....
.Q.....
....Q....
.....Q.
...Q.....
....Q
.....Q...
Q.....
..Q....
....Q....
.Q.....
.....Q
....Q....
.....Q.
..Q....
.....Q...
...Q....
.....Q
....Q....
.....Q.
Q.....
PS C:\Users\micha\Documents\DSU FILES\CSC 410 PARRALELL COMPUTING\Assignment 1\Nqueens>
```

PS C:\Users\micha\Documents\DSU FILES\CSC 410 PARRALELL COMPUTING\Assignment 1\Nqueens> Measure-Command {./mainQ.exe}

Days Hours Minutes Days : 0
Hours : 0
Minutes : 0
Seconds : 0
Milliseconds : 25
Ticks : 253070
TotalDays : 2.92905092592593E-07
TotalHours : 7.029722222222E-06
TotalMinutes : 0.000421783333333333
TotalSeconds : 0.025307
TotalMilliseconds : 25.387

TotalMilliseconds : 25.307