Output Example:

1. "Hello World":

```
-bash-4.1$ gfortran -fopenmp hello.f90 -o hello
-bash-4.1$ export OMP_NUM_THREADS=10
-bash-4.1$ ./hello
 Hello World from thread =                1
 Hello World from thread =                4
 Hello World from thread =                5
 Hello World from thread =                2
 Hello World from thread =                0
 Number of threads =              10
 Hello World from thread =                7
 Hello World from thread =                8
 Hello World from thread =                9
 Hello World from thread =                3
 Hello World from thread =                6
-bash-4.1$ 
```

2. Matrix Multiply

Use MATMUL:

```
-bash-4.1$ gfortran -fopenmp matrixMat.f90 -o matrixMat                                    ]
-bash-4.1$ export OMP_NUM_THREADS=10                                                        ]
-bash-4.1$ ./matrixMat                                                                      ]
 m3 is:          135         185         235         285         335         185         255         325
 395         465         235         325         415         505         595         285         395         505
         615         725         335         465         595         725         855
 location is:          1           1
 minimum value is:          135
 time cost:   1.00000005E-03
-bash-4.1$ 
```

Use Do Loop:

```
-bash-4.1$ gfortran -fopenmp matrixDo.f90 -o matrixDo                                       ]
-bash-4.1$ export OMP_NUM_THREADS=10                                                        ]
-bash-4.1$ ./matrixDo                                                                       ]
 m3 is:          135         185         235         285         335         185         255         325
 395         465         235         325         415         505         595         285         395         505
         615         725         335         465         595         725         855
 minimum is:          135
 location is:             1 ,             1
 time cost:_   9.99000040E-04
```