```
MPI START

 Processor 1 Input : 4096
 Processor 2 Input : 4096
 Processor 1 Time : 0.007695
 Process 1 returned OUTPUT1 = 237
 Process 2 returned OUTPUT2 = 564

 Processor 0 Time : 0.009299
 Processor 2 Time : 0.009239
MPI_MULTITASK:
 Normal end of execution.
Program ended with exit code: 0
```

```
MPI START

 Processor 1 Input : 8192
 Processor 2 Input : 8192
 Processor 1 Time : 0.009695
 Process 1 returned OUTPUT1 = 261
 Process 2 returned OUTPUT2 = 1028

 Processor 0 Time : 0.01903
 Processor 2 Time : 0.018504
MPI_MULTITASK:
 Normal end of execution.
Program ended with exit code: 0
```

```
MPI START

 Processor 1 Input : 16384
 Processor 2 Input : 16384
 Processor 1 Time : 0.028071
 Processor 2 Time : 0.08247
 Process 1 returned OUTPUT1 = 275
 Process 2 returned OUTPUT2 = 1900

 Processor 0 Time : 0.083491
MPI_MULTITASK:
 Normal end of execution.
Program ended with exit code: 0
```

```
MPI START

 Processor 1 Input : 32768
 Processor 2 Input : 32768
 Processor 1 Time : 0.057711
 Process 1 returned OUTPUT1 = 307
 Process 2 returned OUTPUT2 = 3512

 Processor 0 Time : 0.300253
 Processor 2 Time : 0.299904
MPI_MULTITASK:
 Normal end of execution.
Program ended with exit code: 0
```


Execution Time vs Input Size

Legend: Processor 0, Processor 1, Processor 2