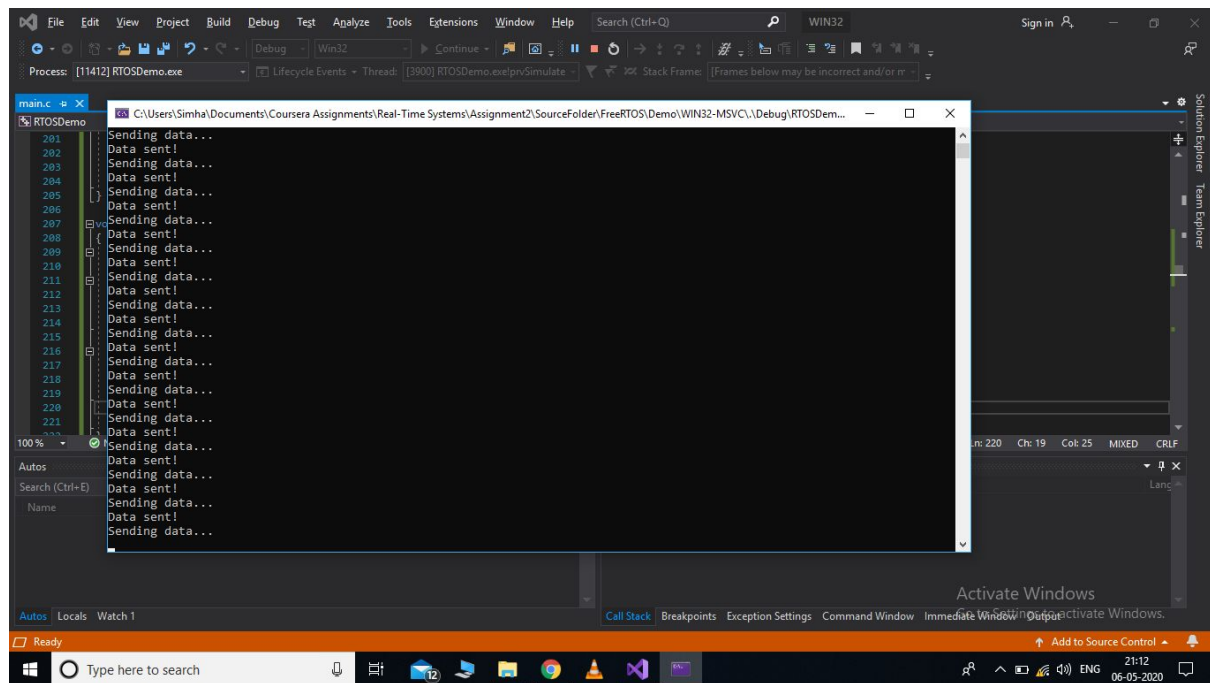


## Screenshot



### Why is "matrixtask" using most of the CPU utilization?

Matrix task is computationally expensive. It also includes large delays. Nested for loops(3 layers) adds on to the CPU utilization.

### Why must the priority of "communicationtask" increase in order for it to work properly?

If matrix task has the higher priority, it blocks the execution of communication task(since matrix task consumes more time and CPU than communication task). In order to avoid blocking communicationtask's priority should be increased

### What happens to the completion time of "matrixtask" when the priority of "communicationtask" is increased?

Completion time of matrixtask increases since it will be preempted by communicationtask.

### How many seconds is the period of "matrixtask"? (Hint: look at vApplicationTickHook() to measure it)

Period is approximately 1046ms or 1s