# Mutex Analysis Assignment

## Enable ALL GPIO LED’s and GPIO Button

## Enable UART for your Communication that will be shared across various tasks.

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| Part 1 |
| Print “ Hello from Task1\r\n” from Task 1 , which has a vtaskDelay 1000ms |
| Verify your output and note your observations |
| Part 2 |
| Implement Print “ Hello from Task2\r\n” from Task 2 , when user presses the USER Button , vtaskDelay 500ms |
| Verify your output and note your observations |
| Part 3 |
| Make the vtaskDelay 1000ms Same for both the task |
| Verify your output and note your observations, was there any RACE Condition? |
| Part 4 |
| Now Protect your Critical Resource from Mutex in both the Task |
| Verify your output and note your observations, was there any RACE Condition? |