3.2 What is the difference between a task and a thread in a RTOS?

Answer:

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| task | thread |
| It usually has it’s own stack. | It shares the stack of parent task. |
| It communicates via messages. | It communicates via messages or signals. |
| Here context switching is slower because first it needs to be saved. | The context switching is faster compared to task because only specific task needs ti be switched. |
| Here it is having it’s own memory address space to run the tasks. | Here thread runs within a fixed memory space where the tasks runs and does share the same memory space. |
| It is an independent unit for execution in RTOS. | A thread is a subset of task that can be scheduled independently. |