# CC32xx Interrupt Demo Application

## Application details

The objective of this application is to showcase interrupt preemption and tail-chaining capabilities. Nested interrupts are synthesized when the interrupts have the same priority, increasing priorities, and decreasing priorities. With increasing priorities, preemption will occur; in the other two cases tail-chaining will occur.

### Source Files briefly explained

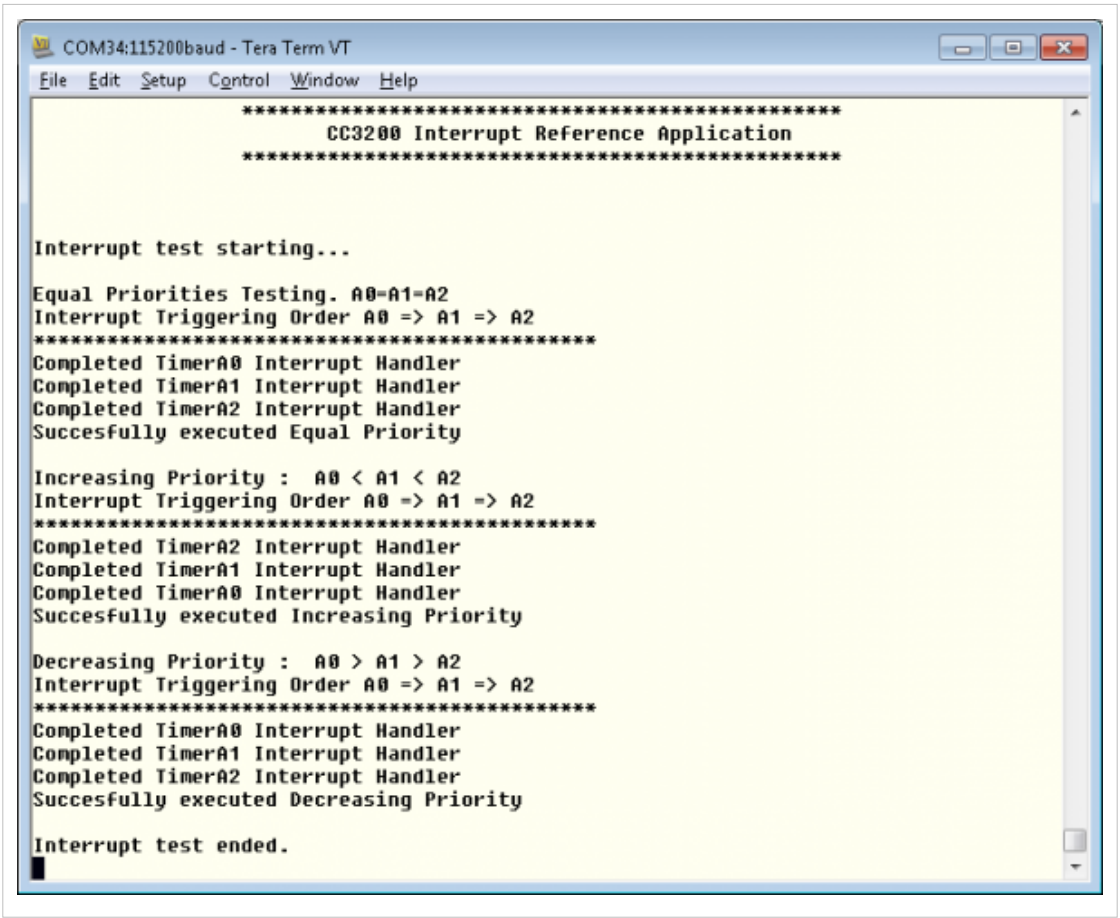
- **pinmux** - Pinmux configurations as required by the application.
- **main** - Main file that showcases Interrupt Preemption capabilities
- **uart_if** - To display status information over the UART
- **systick_if** - Setup the systick values and registers SysTick handler

## Usage

- Setup a serial communication application (HyperTerminal/TeraTerm). For detail info visit Terminal setup

On the host PC. The settings are:
  - **Port**: Enumerated COM port
  - **Baud rate**: 115200
  - **Data**: 8 bit
  - **Parity**: None
  - **Stop**: 1 bit
  - **Flow control**: None

- Run the reference application (Flashing the bin/IAR/CCS).
- Observe the status messages on the host over serial port to understand the sequence of operations performed by the application.




# Limitations/Known Issues

None.

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