**Vector Table Details of the MCU**

1. What is vector table?
   1. Table of vectors
2. What are vectors?
   1. Table of addresses or pointers
3. What are the 2 types of Exception handlers?
   1. System Exceptions : 15
   2. Interrupts : 240
4. How GPIO pin interrupts the processor?
5. What’s the design?
6. How the vendor delivers the GPIO interrupt to the processor?

* Some peripherals deliver their interrupt to the NVIC over the EXTI line.
* Some peripherals deliver their interrupt directly to the NVIC
* How does a button issue interrupt to the processor in STM32?
  + The button is connected to a GPIO pin of the microcontroller.
  + The GPIO pin should be configured to the input mode.
  + The link between a GPIO port and the relevant EXTI line must be established using the SYSCFG\_EXTICRx register.
  + Configure the trigger detection (falling/rising/both) for relevant EXTI line (This is done via EXTI controller registers)
  + Implement the handler to service the interrupt.