What is a watchdog?

> The watchdog timer (WDT) can issue a reset to the system or generate a non-maskable interrupt (NMI). The watchdog timer circuit has to be triggered within a specified time by the application software. If the watchdog timer is not triggered because proper <u>software execution fails</u> or a <u>hardware malfunction</u> occurs, it <u>resets</u> the system or generates the NMI.

> **<u>Benefit</u>**:
> Your system becomes more stable and reliable

➢ **Programmable Hardware Watchdog**

To secure critical software applications

- ➢ Acts NMI or Reset
- ➢ Flexible delay and trigger time
- ➢ INT 15 Software interrupt control
- ➢ 32 Bit programming interface JIDA32