

External interrupt on RPi using threading concept.

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July 5, 2016



What is Interrupt



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- ✓ While main program is running, if an interrupt occurs, execution of main program is stopped, and program counter goes to address of ISR.
- ✓ Interrupt Service Routine: Program that needs to be executed when interrupt occurs.
- ✓ After program inside ISR is executed completely, program counter returns back to point where main program was interrupted.



Threading in Python



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Threading in Python

- ✓ Running several threads is similar to running many program concurrently.
- ✓ But it has some advantages i.e. it access the same data space.



Experiment

Switch Interrupt on Raspberry Pi using threading.



Hardware Required for the experiments:

1. Breadboard



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3. LED (Two Nos.)



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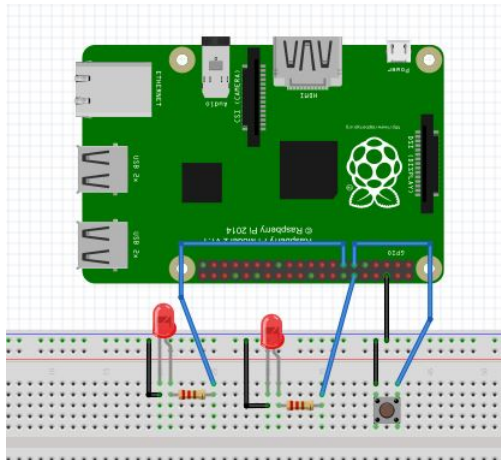
1. Breadboard
2. Switch
3. LED (Two Nos.)
4. 330 ohm resistor (Two Nos.)



Connection Diagram



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Problem Statement



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Interfacing two leds with raspberry pi. One led will blink continuously. Another led will glow for 1 second when switch is pressed.



Thank You!

Post your queries on: <http://qa.e-yantra.org/>

