Experiment No10

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AIM: Create a simple web interface for Raspberry Pi Beagle board to control the connected LEDs remotely through through the interface.

Theory!

Wining Pi

wing Pi is a PIN based GPIO access library contrenumin C for the BCN 2835 used in the Rosberry Pi Its released under the GNU LOPL VB license and is usable from C, C++ and RTB (BASIC) as well as many other languages with suitable wrappers.

Install wining Pi wish gPi is not included with Rosptian

so to begin you need to download and install it that means your Pi will need a connection to the Internet reither via Ethernet or wift. We can do using Git to download latest version. As long as you have Git installed these cammands should be all you need to download and install cointing Pi . P: @ rospberry a Sgit clone git ill git! dragon net/ wiring Pi

@ raspberry n. & cd wining Pi pi @ respherrypi
-w/wining /wining Pi & . / build.

Page No. whole themany Date GPIO Command line Utility Jask: connect the LED and GND to short Pin GPI018 to long pin Remember: GPT018 is PINII wings GPIO command line Utility How the LED by value gpio usite 11 off the LED by apio unite 10 web Foterface to LED I Create the front page using HTML while containing two buttons to put the LED in on or OFF State. 2 Control the data i/p from buttons using PHP page. Conclusion: Thus we have executed simple board to control the Connected LED'S remotely through the interface.