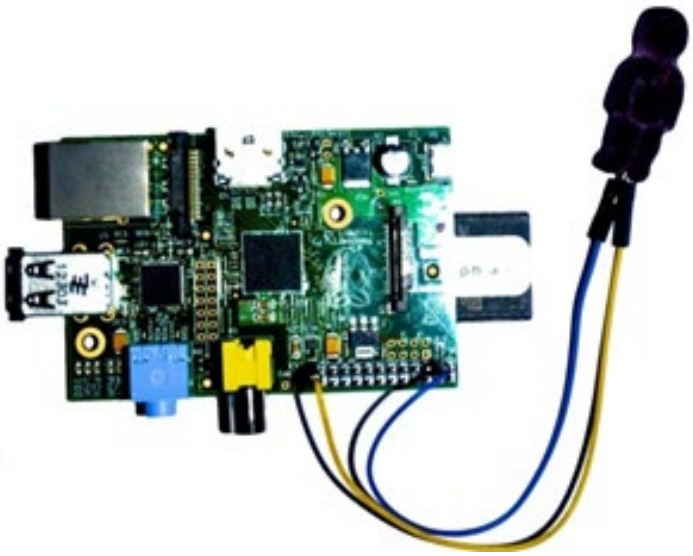
SINGING JELLY BABY RECIPE

A PHYSICAL COMPUTING PROJECT FOR THE RASPBERRY PI – NO SOLDERING REQUIRED!

This recipe has been developed by the Raspberry Pi Foundation in conjunction with OCR

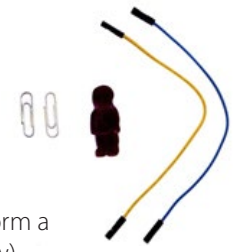
Difficulty: Basic

This recipe will allow you to turn a Jelly Baby into an input device for your Raspberry Pi and will guide you through writing a program that will make the Jelly Baby sing when you squeeze it.



Ingredients needed in addition to your Raspberry Pi:

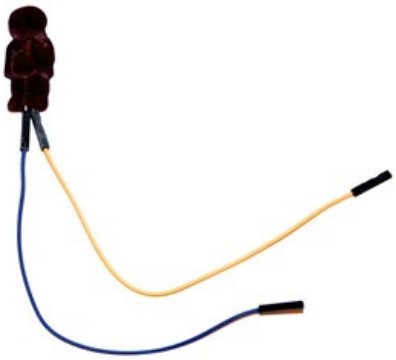
1x Jelly Baby
2x Jumper Wire (female to female)
2x (non-plastic-coated) Paper Clips
1x Headphone or Speakers



1. Take the paper clips and unbend to form a wire (should look like the image below).

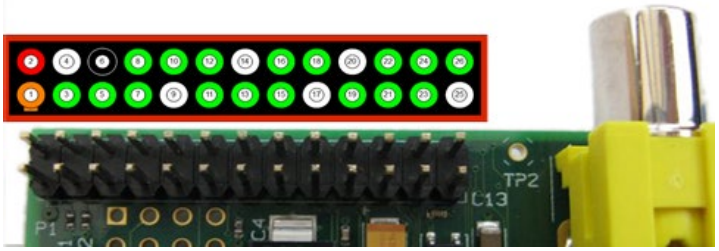
2. Push the straightened paper clips into one end of each of the jumper leads.

3. Insert the paper clips into the Jelly Baby so that they are close to each other but not touching (this may require a couple of attempts to get right!)



4. Take the other end of one of the jumper leads and push onto pin 3 of the General Purpose Input-Output (GPIO) header which is connected to one of the GPIO channels.

5. Take the end of the other jumper lead and push onto pin 25 of the GPIO header which is connected to ground.



Raspberry Pi GPIO header pins. The diagram above the pins shows the pin numbers. You will be using pin 3 and pin 25. ***Warning! You can damage your Raspberry Pi if you do not use the GPIO pins correctly!***

Congratulations! You have now turned a Jelly Baby into a switch that you can use to trigger events in your programs for the Raspberry Pi.

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