How to put together V1.0

You will need:

- An Arduino microcontroller (Mega for best result).
- An SD card which works with an Arduino
- Jumper wires
- An SD card holder to wire up to an Arduino or an Arduino Ethernet shield
- The Arduino code

Wiring:

Firstly, wire up to Arduino SD card or place the Ethernet shield on top.

Pin	Uno	Mega
GND	GND	GND
3.3V	3.3V	3.3V
CS	Any pin free pin, you must change the variable in the code from 53 to your chosen number	53
MOSI	11	51
SCK	13	52
MISO	12	50
GND	GND	GND

The Ethernet shield will go straight on the board, the CS pin must be edited equal 4.

```
const int chipSelect = 53;
```

The above line must = 4 with the Uno or Ethernet shield.

A wire must go from pin 2 to the reset pin so the board can reset between each message.

Use:

Once you have programmed the code onto the board, you must open the serial monitor. There you can use the bar to write strings to the Arduino and teach it. The code looks for a reply in its data, if none is found then the code attempts to find the same words in saved strings. It will output anything with over a 50% chance of being right. If nothing is still found it will ask for a response, this is where you teach it.