NPN Transistor PN2222

* Small DC motors may use more power than arduino can handle.
* Avoid connecting motor directly to arduino pin.
* A small transistor, such as PN2222, can be used as a switch that uses smaller current from arduino digital output to control much bigger current of motor.
* Transistor has three leads
  + Most electricity flows from collector to emitter
  + Collect > Base > Emitter

Issue with app controlling the fan module. Will read output either digital or visual pin in order to turn the fan ON, but cannot read again to turn off.

Need to address ASAP.

Other functionalities mostly working.

FAN

: TURNED ON IN DHT FUNCTION? NEEDED MANUAL START

: GOT IT WORKING FINALLY — NEEDS MANUAL START SOMETIMES AFTER READING 1 FROM THE APP

>> FAN TURNS ON > 80 F OFF < 80 F