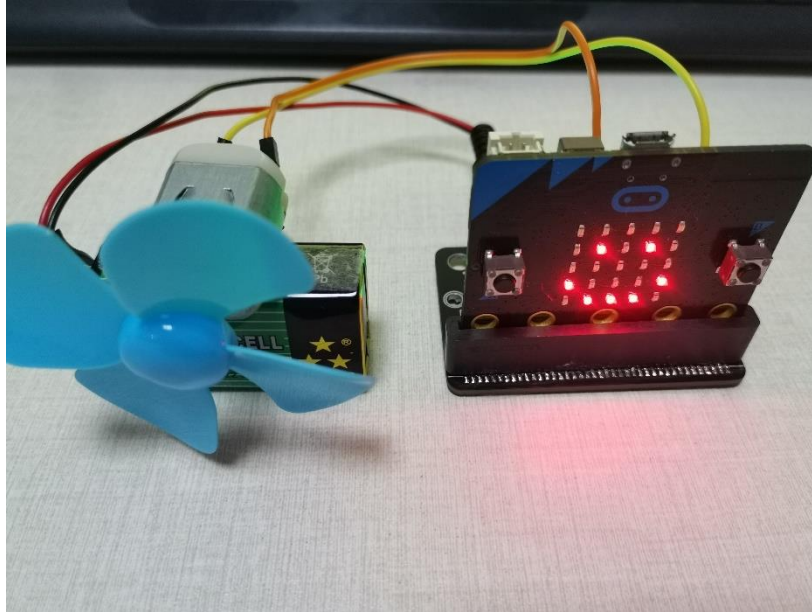


Control motor module rotation

- 1、Achieve the goal
- 2、Preparation before class
- 3、Wiring
- 4、Principle of motor rotation

Control motor module rotation



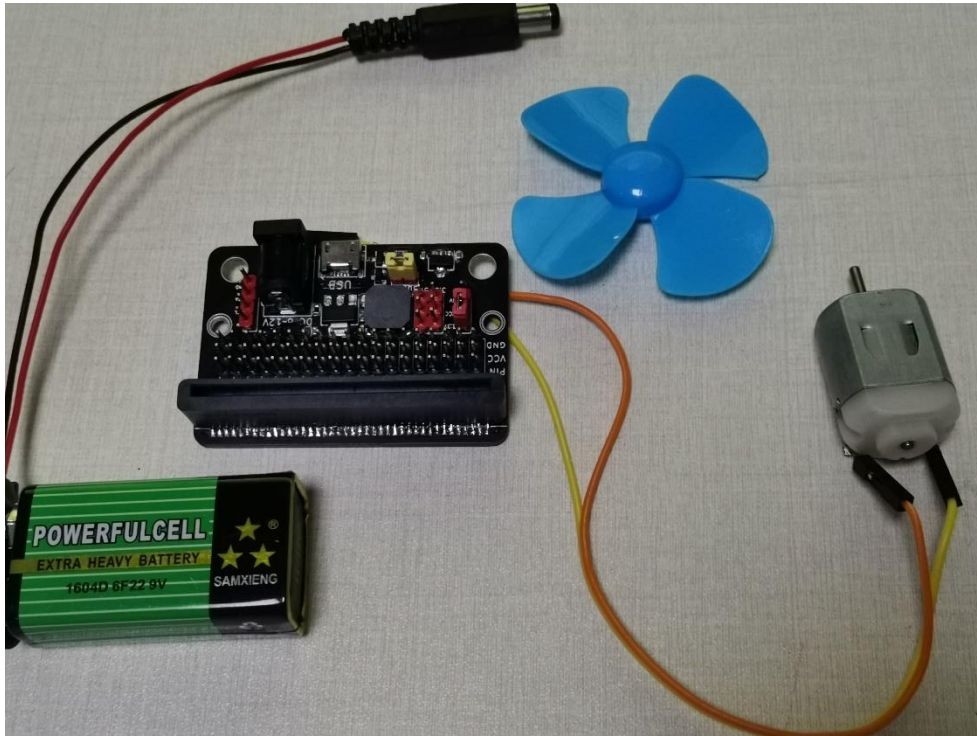
1、Achieve the goal

When the two wires of the motor are connected to the expansion plate, the motor starts to turn

Control motor module rotation

2、Preparation before class

Prepare microbit
mainboard, USB
cable, battery,
motor module,
dupont cable,
expansion
board.



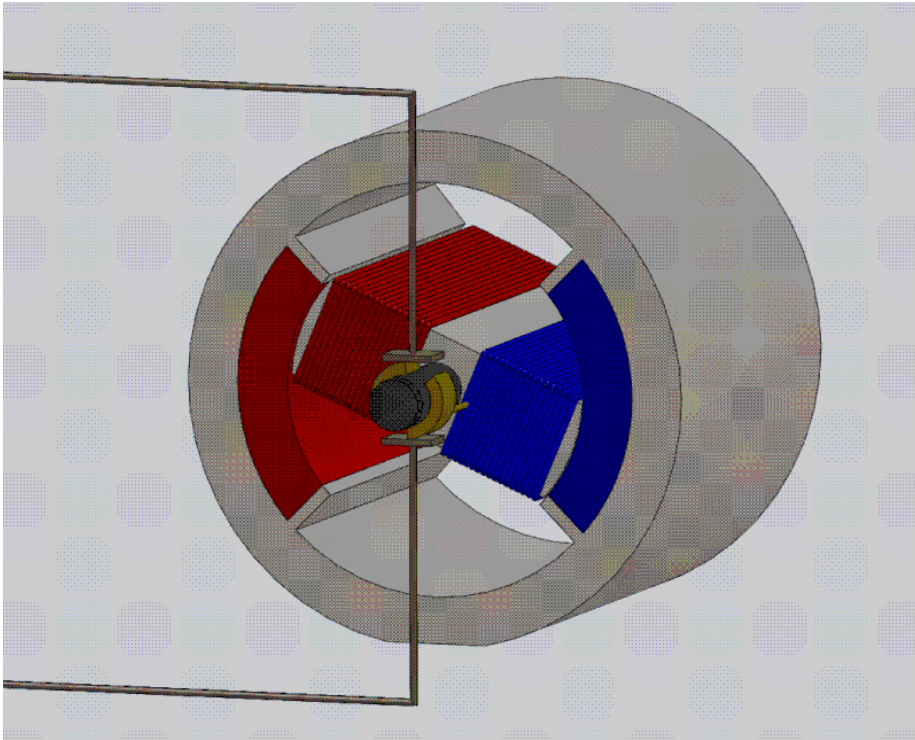
Control motor module rotation

3、Wiring

The two wires of the motor are connected to the 5V and GND pins of the expansion plate respectively. When the expansion plate is energized, the motor will turn

Control motor module rotation

4、 Principle of motor rotation



1. The dc motor is fixed with a circular permanent magnet. When the motor is connected to a circuit of a certain value, the current passes through the coil on the rotor to generate ampere force, and the motor begins to rotate.
2. When the connection of the two lines of the motor is positive or negative, the rotation direction of the motor will also change