```
// "A Levitating Sphere Rotates Glows and Blinks"
// Levitate with the very simple Bang-Bang control.
// Supply 5-6V to the motor driver IC connected with the levitation coil.
// Attach the Hall effect sensor "UGN3503UA" to the head of the core of the coil.
// Stack 3 or 4 neodymium magnets (10-15mm Dia.).
// Attach the N pole of the stacked magnets to the levitating object. (S pole up)
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void setup () {
  pinMode(10, OUTPUT);
  pinMode(11, OUTPUT);
}
void loop (){
  if (analogRead(0) > 200 ) {  //Adjust the threshold value to levitate.
    digitalWrite( 10,HIGH );
    digitalWrite( 11,LOW );
   }else {
    digitalWrite( 10,LOW );
    digitalWrite( 11,HIGH );
  }
}
```