

```
void setup()
{
  Serial.begin(115200);
  pinMode(5,INPUT);
  pinMode(6,OUTPUT);
}
void loop()
{
  int n = Serial.available();
  if(n > 0)
  {
    byte c = Serial.read();
    if(c == '0')
    {
      digitalWrite(5,0);
      digitalWrite(6,0);
    }
    if(c == '1')
    {
      digitalWrite(5,1);
      digitalWrite(6,0);
    }
    if(c == '2')
    {
      digitalWrite(5,0);
      digitalWrite(6,1);
    }
    if(c == '3')
    {
      analogWrite(5,128);
      digitalWrite(6,0);
    }
    if(c == '4')
    {
      analogWrite(5,190);
      digitalWrite(6,0);
    }
  }
  delay(100);
}
```