Assignment 1 Basic Knowledge

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Format: Name the document in the combination of name、ID and No. of Assignment.

**Example: Ping Yi\_23\_Assignment1.doc**

**Email the document to “pingy@wxit.edu.cn” before September 18th.**

**Task 1** Describe the MCU chip on the board of **Arduino Uno,** name **the type、number of pins、footprint and the main functions?**

任务1 描述Arduino Uno板上的单片机芯片，说出其类型、引脚数、脚印和主要功能。

类型：DIP14

引脚数：14

脚印：AVR

主要功能：通信功能

**Task 2** Two LEDs are respectively linked with the **digital pins of D11 and D12**, make code to let them both **blinking every second**.

任务2 两个LED分别与D11和D12的数字引脚相连，编写代码让它们每秒钟闪烁一次。

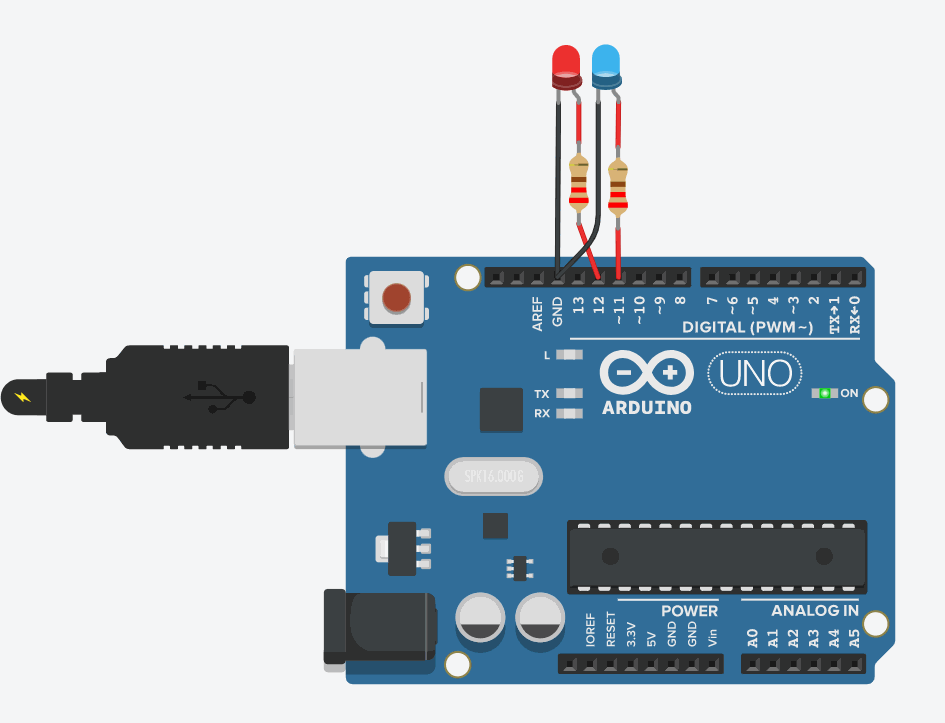


Fig 1 Blinking Duo

void setup()

{

  pinMode(11, OUTPUT);

  pinMode(12, OUTPUT);

}

void loop()

{

  digitalWrite(12, HIGH);

  delay(500); // Wait for 500 millisecond(s)

  digitalWrite(12, LOW);

  delay(500); // Wait for 500 millisecond(s)

  digitalWrite(11, HIGH);

  delay(500); // Wait for 500 millisecond(s)

  digitalWrite(11, LOW);

  delay(500); // Wait for 500 millisecond(s)

}