0515作業_薛皓陽

https://github.com/sun92122/NTNU-Arduino-2023-Spring/blob/main/0522/0522作業-薛皓陽.md

HW01 監測時間差

HW01_code

https://github.com/sun92122/NTNU-Arduino-2023-Spring/blob/main/0522/MyTime.ino

```
unsigned long time1;
unsigned long time2;
unsigned long timeDifference; // 時間差

void setup()
{
  Serial.begin(9600);
}

void loop()
{
  Serial.print("Time1: ");
  time1 = millis();
  Serial.print(time1);

  delay(500);

  Serial.print(", Time2: ");
  time2 = millis();
  Serial.print(time2);

  timeDifference = time2 - time1;
  Serial.print(", Time Difference: ");
  Serial.println(timeDifference);

  delay(1000);
}
```
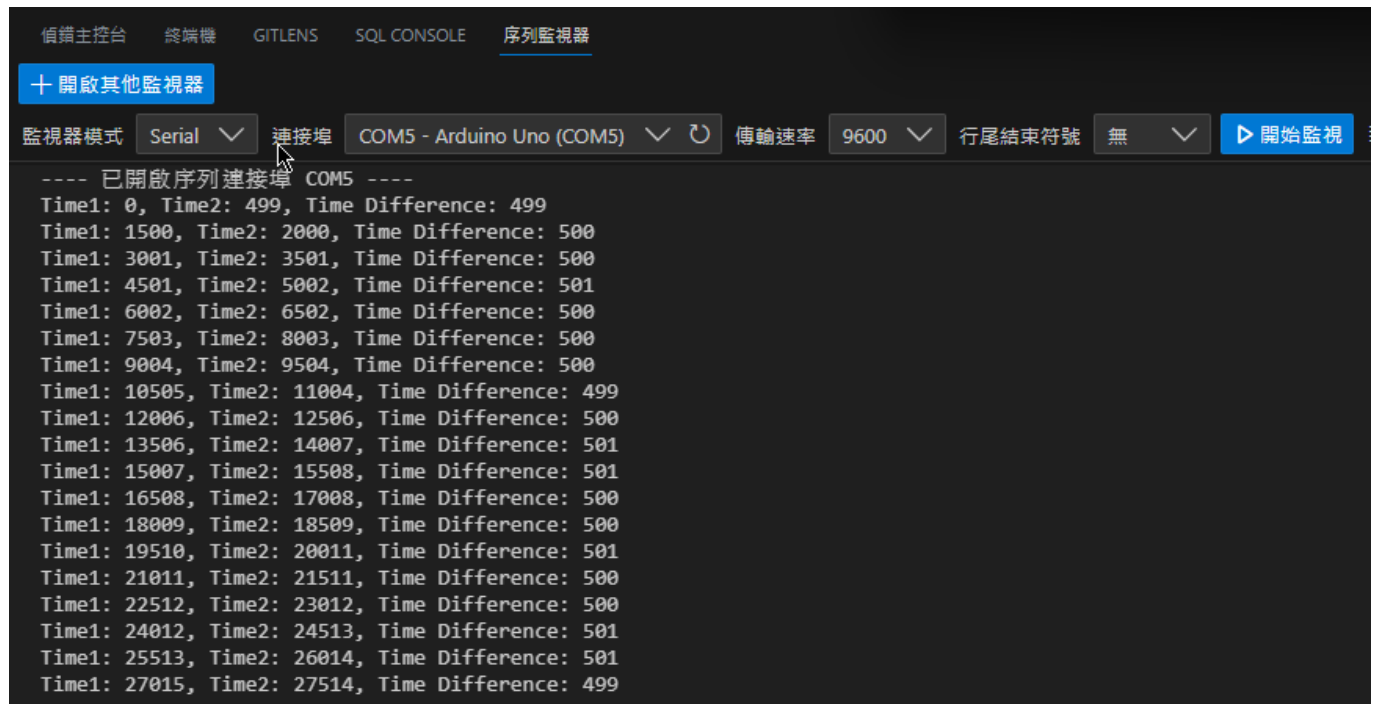
HW01 執行畫面

```
---- 已開啟序列連接埠 COM5 ----
Time1: 0, Time2: 499, Time Difference: 499
Time1: 1500, Time2: 2000, Time Difference: 500
Time1: 3001, Time2: 3501, Time Difference: 500
Time1: 4501, Time2: 5002, Time Difference: 501
Time1: 6002, Time2: 6502, Time Difference: 500
Time1: 7503, Time2: 8003, Time Difference: 500
Time1: 9004, Time2: 9504, Time Difference: 500
Time1: 10505, Time2: 11004, Time Difference: 499
Time1: 12006, Time2: 12506, Time Difference: 500
Time1: 13506, Time2: 14007, Time Difference: 501
Time1: 15007, Time2: 15508, Time Difference: 501
Time1: 16508, Time2: 17008, Time Difference: 500
Time1: 18009, Time2: 18509, Time Difference: 500
Time1: 19510, Time2: 20011, Time Difference: 501
Time1: 21011, Time2: 21511, Time Difference: 500
Time1: 22512, Time2: 23012, Time Difference: 500
Time1: 24012, Time2: 24513, Time Difference: 501
Time1: 25513, Time2: 26014, Time Difference: 501
Time1: 27015, Time2: 27514, Time Difference: 499
```

reference

1. (2023). millis() - Arduino Reference. Reference.
   https://reference.arduino.cc/reference/en/language/functions/time/millis/