Work 13

題目

請研究使用 aggregation pipeline 語法,將華氏溫度改為攝氏,也把 tempsF 改成 tempsC

程式碼

```
import pymongo
   client = pymongo.MongoClient(
    "mongodb+srv://B10723059:lisji1030@cluster0.r36j1.mongodb.net/TRY?retryWrites=true&w=majority"
  db = client.tempratures
10 w13 = db.temp59
   def insertdata():
       wl3.insert_many([{ "_id" : 1, "date" : "2021-04-23", "tempsF" : [ 78, 77, 82 ] },{ "_id" : 2, "date" : "2021-05-07", "tempsF" : [ 84, 86, 88 ] },{ "_id" : 3, "date" : "2021-05-24", "tempsF" : [ 90, 91, 95 ] }])
   def printdata():
                            print("===
        for x in w13.find():
            print(x)
    #華氏轉攝氏
23 def transC(F):
        C = (F - 32) * 5/9
28 def datatranstoC():
        w13.update_many( {}, { "$rename": { "tempsF": "tempsC" } } )
        for i in range(w13.count_documents({})):
            array = w13.find_one( {"_id" : num})
                new.append(transC(array['tempsC'][j]))
                w13.update_one( { "_id": num},[{ "$set": { "tempsC": new }}])
39 insertdata()
40 print("更改前")
41 printdata()
42 datatranstoC()
43 print("更改後")
44 printdata()
```

結果