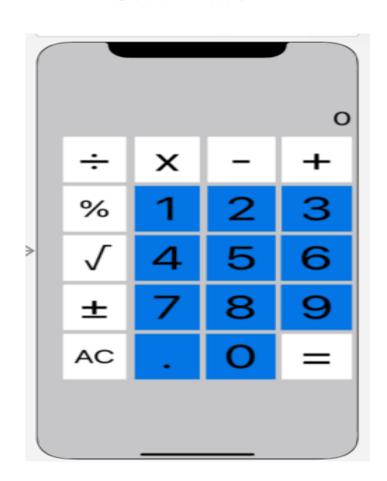


High-Performance Computing

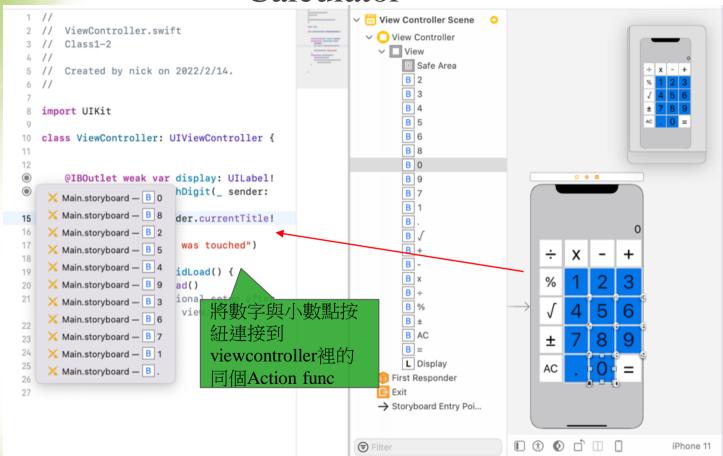




將計算機 layout拉 好



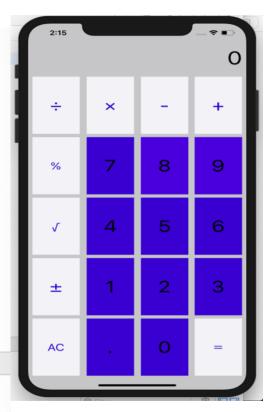






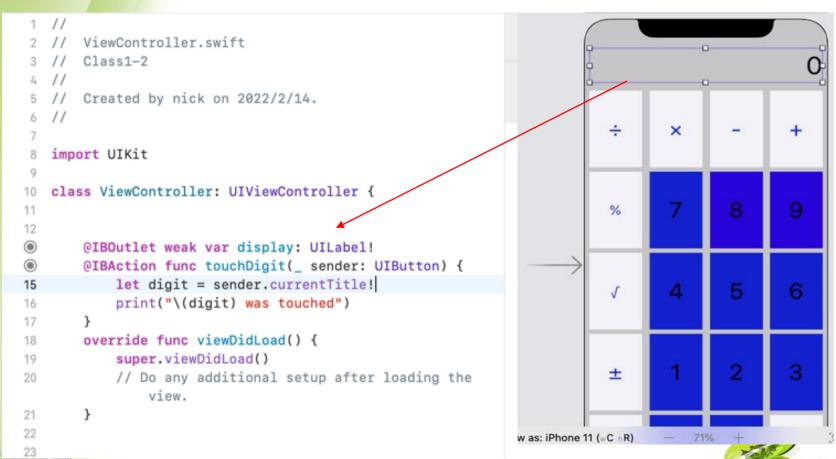
8 was touched 2 was touched

```
import UIKit
10
   class ViewController: UIViewController {
12
@IBAction func touchDigit(_ sender: UIButton) {
14
           let digit = sender.currentTitle!
           print("\(digit) was touched")
15
16
       override func viewDidLoad()
17
                                   我們可以透
18
           super.viewDidLoad()
                                   過sender取
           // Do any additional se
                                                ing the view.
19
                                   得按鈕的名
20
                                   字
23
24
                               當我們按
                               按鈕時就會
                                               5 was touched
                               顯示我們按
                                               8 was touched
```







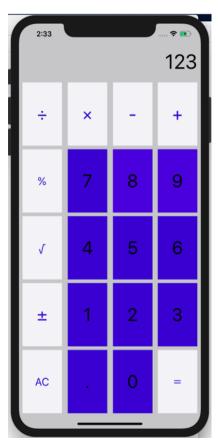


Calculator 2:23 ViewController.swift Class1-2 Created by nick on 2022/2/14. 0045239847 import UIKit class ViewController: UIViewController { 11 12 @IBOutlet weak var display: UILabel! @IBAction func touchDigit(\_ sender: UIButton) { let digit = sender.currentTitle! 15 let textCurrentlyInDisplay = display.text! 16 17 display.text = textCurrentlyInDisplay + digit print("\(digit) was touched") ewDidLoad() { 當每次點擊時先宣告 lLoad() itional setup after loading the 的數字與當前的串接 並顯示 AC





```
8
    import UIKit
 10
    class ViewController: UIViewController {
                                             宣告一個布林
 12
        @IBOutlet weak var display: UILabel!
 值來記錄是否
 14
                                             有輸入第一個
        var InTheMiddleOfTyping = false
 15
 16
                                             新數字
        @IBAction func touchDigit(_ sender: UI
 18
            let digit = sender.currentTitle!
 19
            if InTheMiddleOfTyping{
                let textCurrentlyInDisplay = display.text!
 20
                display.text = textCurrentlyInDisplay + digit
              else{
                display.text = digit
斷是否為輸入
                InTheMiddleOfTyping = true
新數字是的話
就蓋掉原本的
           ride func viewDidLoad() {
            super.viewDidLoad()
數字,並把布
            // Do any additional setup after loading the view.
林值改為true
 33
 34
```



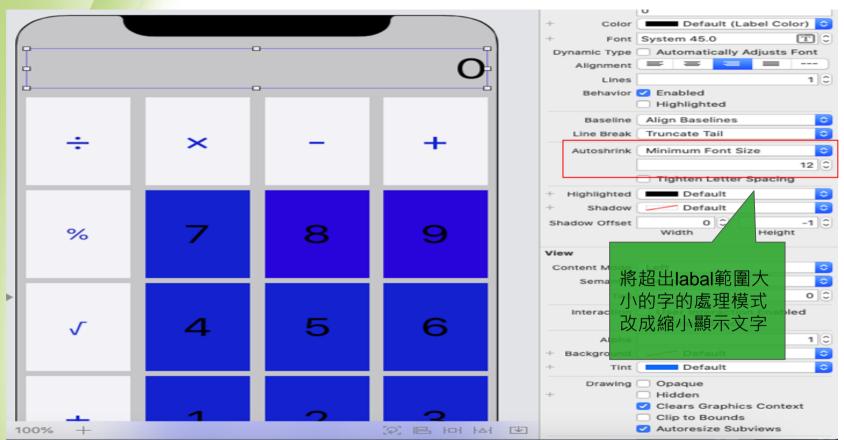




```
•
       @IBOutlet weak var display: UILabel!
       var InTheMiddleOfTyping = false
       var Isfloating = false
宣告用來記錄是
             ion func touchDigit(_ sender: UIButton) {
            et ditgit = sender.currentTitle!
否有按過小數點
                                               當第一次按小數
的布林值
              ditait == "." {
                                               點時直接接存數
               InTheMiddleOfTyping = true
22
                                               字後而不是取代
           if !(Isfloating && ditgit == ".") {
             if InTheMiddleOfTyping{
                   let textCurrentlyInDisplay = display.text!
27
  判斷是否按過2次
28
                   display.text = textCurrentlyInDisplay + ditgit
29
30
                 else {
  小數點
                   display.text = ditgit
                   InTheMiddleOfTyping = true
31
           if ditgit == "." {
               Isfloating = true
```



CLak







Calculator 個來記錄第一個運 沒有連接的按紐連結 算元,一個來記錄 到viewcontroller 目前按了哪個運算 var operand1 = 0.0 28 var symbolOfOperation = 29 30 TBAction func performOperation(\_ sender: UIButton) { let Operation = sender.currentTitle! 當我們按下運算 switch Operation { 子時便是要輸入 case "AC": display.text = "0" 新數字因此將布 ➤ InTheMiddleOfTyping = false 林值改為false 先將目前顯示 case "J": let operand = Double(display.text!)! 的數字從 display.text = String(sqrt(operand)) 39 InTheMiddleOfTyping = false Optional解開 將第-一個運 case "+": 再將它轉為 算元存起來 operand1 = Double(display.text!)! InTheMiddleOfTyping = false Double, 但實 並記錄運算 symbolOfOperation = "+" 際上它會變成 case "-": operand1 = Double(display.text!)! Double?因此 47 InTheMiddleOfTyping = false 要再次解開 symbolOfOperation = "-" 48 case "x": 49 50 operand1 = Double(display.text!)! InTheMiddleOfTyping = false 51 symbolOfOperation = "x" 52 case "+": 53 operand1 = Double(display.text!)! 54 55 InTheMiddleOfTyping = false symbolOfOperation = "+" 56 National Talwan University of Science and Technology

再來將+-\*/等剩餘

先宣告兩個變數-

```
case "%":
                                                   更改正負號
      operand1 = Double(display.text!)!
                                                   無需要輸入
      InTheMiddleOfTyping = false
      symbolOfOperation = "%"
                                                   新數字因此
  case "±":
                                                   不用改布林
          let operand = Double(display.text!)!
          display.text = String(-operand)
                                                   侑
  case "=":
      if(symbolOfOperation != ""){
          let operand2 = Double(display.text!)!
          switch symbolOfOperation {
獲取第一
          case "+":
              display.text = String(operand1 + operand2)
個運算元
          case "-":
              display.text = String(operand1 - operand2)
          case "x":
              display.text = String(operand1 * operand2)
          case "+":
              display.text = String(operand1 / operand2)
          case "%":
              display.text = String(Int(operand1) % Int(operand2))
          default:
              break
                                                 餘除不能為
          InTheMiddleOfTyping = false
                                                 Double型
          symbolOfOperation =
                                                 態故轉為
  default:
                                                 Int
               將記錄符號設為空字串
      break
```

