





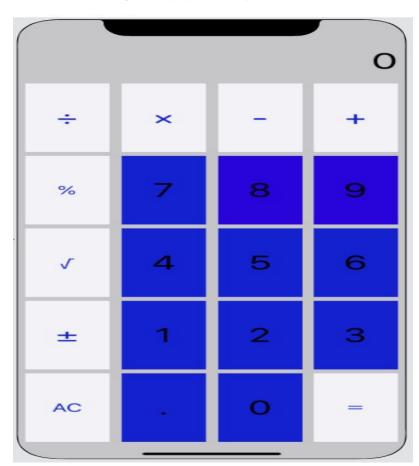






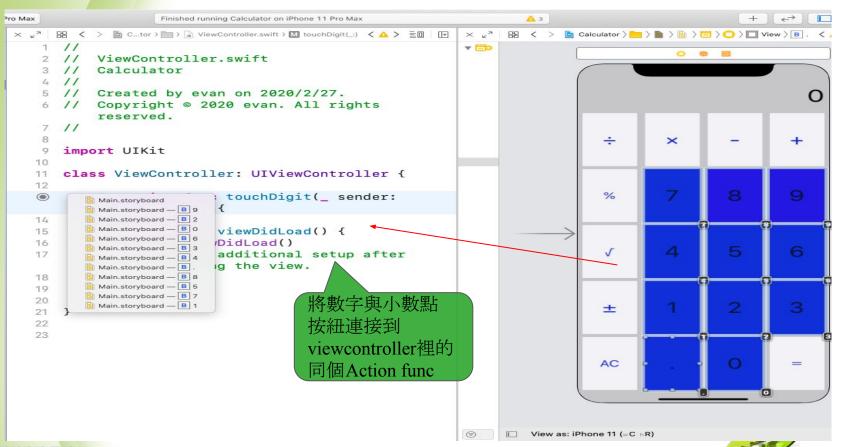


將計算機 layout拉 好



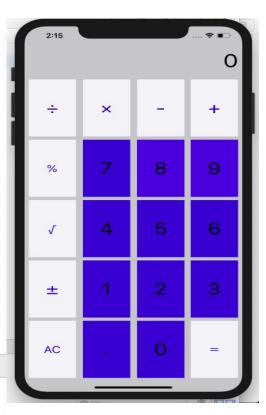








```
import UIKit
10
   class ViewController: UIViewController {
12
       @IBAction func touchDigit(_ sender: UIButton) {
(
           let digit = sender.currentTitle!
14
           print("\(digit) was touched")
15
16
       override func viewDidLoad();
17
                                    我們可以透
18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



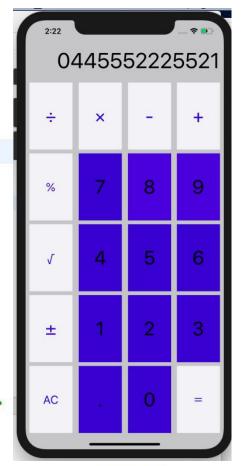




```
ViewController.swift
       Calculator
       Created by evan on 2020/2/27.
       Copyright @ 2020 evan. All rights
       reserved.
                                                                         ×
   import UIKit
10
   class ViewController: UIViewController {
12
       @IBOutlet weak var display: UILabel!
(
14
       @IBAction func touchDigit(_ sender:
(0)
           UIButton) {
            let digit = sender.currentTitle!
16
            print("\(digit) was touched")
17
       override func viewDidLoad() {
            super.viewDidLoad()
20
            // Do any additional setup after
                loading the view.
                                                     View as: iPhone 11 (wC hR)
                                                                           71%
```



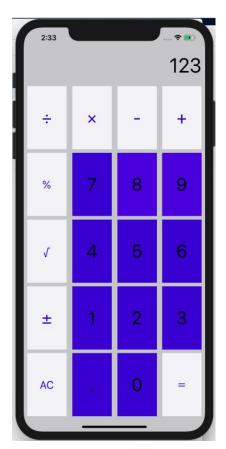
```
import UIKit
   class ViewController: UIViewController {
12
      @IBOutlet weak var display: UILabel!
      @IBAction func touchDigit(_ sender: UIButton) {
          let digit = sender.currentTitle!
          let textCurrentlyInDisplay = display.text!
          display.text = textCurrentlyInDisplay + digit
18
   當每次點擊時先宣
                    viewDidLoad() {
     -個常數將當前
                    DidLoad()
   顯示數字存起來再
                    additional setup after loading the view.
   前的串接並顯示
```





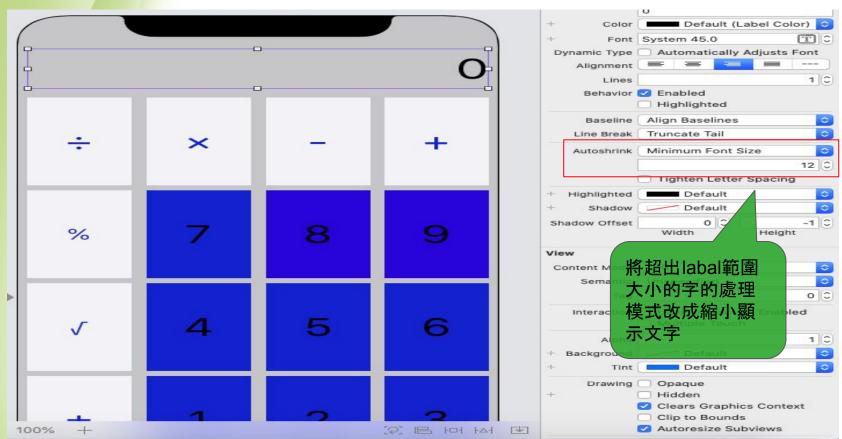


```
8
    import UIKit
10
    class ViewController: UIViewController {
11
                                              宣告一個布
12
                                              林值來記錄
(
       @IBOutlet weak var display: UILabel!
                                              是否有輸入
14
       var InTheMiddleOfTyping = false
15
                                              第一個新數
16
       @IBAction func touchDigit(_ sender: UIB字ton)
(
18
           let digit = sender.currentTitle!
19
           if InTheMiddleOfTyping{
               let textCurrentlyInDisplay = display.text!
20
               display.text = textCurrentlyInDisplay + digit
用判斷式來
             else{
判斷是否為
               display.text = digit
輸入新數字
               InTheMiddleOfTyping = true
           }
是的話就蓋
掉原本的數
           ride func viewDidLoad() {
           super.viewDidLoad()
字, 並把布
           // Do any additional setup after loading the view.
林值改為
true
33
34
```













```
再來將+-*/等剩餘
 沒有連接的按紐連結
 到viewcontroller
          var operand1 = 0.0
   28
          var symbolOfOperation =
   29
   30
當我們按下運算
子時便是要輸入
新數字因此將布
林值改為false
```

一個來記錄第一 個運算元. 一個來 記錄目前按了哪

先宣告兩個變數

QIBAction func performOperation(_ sender: UIButton) { let Operation = sender.currentTitle! switch Operation { case "AC": display.text = "0" ➤InTheMiddleOfTyping = false case "√": let operand = Double(display.text!)!

InTheMiddleOfTyping = false case "+": operand1 = Double(display.text!)! InTheMiddleOfTyping = false symbolOfOperation = "+"

case "-": operand1 = Double(display.text!)!

InTheMiddleOfTyping = false symbolOfOperation = "-" case "x":

operand1 = Double(display.text!)! InTheMiddleOfTyping = false symbolOfOperation = "x" case "+":

operand1 = Double(display.text!)! InTheMiddleOfTyping = false symbolOfOperation =

display.text = String(sqrt(operand))

示的數字從 Optional解開 再將它轉為 Double. 但實 際上它會變 成Double?因 此要再次解

先將目前顯

開

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39

將第一個運

算元存起來

並記錄運算

子符號

47 48

49

50

51

52

53

54

55

56

```
case "%":
                                                   更改正負號
      operand1 = Double(display.text!)!
                                                   無需要輸入
      InTheMiddleOfTvping = false
      symbolOfOperation = "%"
                                                   新數字因此
  case "±":
                                                   不用改布林
          let operand = Double(display.text!)!
          display.text = String(-operand)
  case "=":
      if(symbolOfOperation != ""){
          let operand2 = Double(display.text!)!
          switch symbolOfOperation {
獲取第二
          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
          InTheMiddleOfTvping = false
                                                 為Double
          symbolOfOperation = ""
                                                 型態故轉
  default:
                                                 為Int
               將記錄符號設為空字串
      break
```

