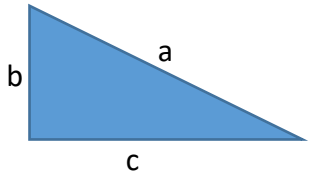
1. (直角三角形的邊) 請編寫一個讀取三個非零整數的函式，並確定它們是否是直角三角形的邊。如果引數包含直角形的三邊，則函式應該收個整數引數並傳回 1(真)，否則傳回 0(假)。在輸入一連串組整數的程式中使用此函式。(註: 直角三角形的判斷，$a^2 = b^2 + c^2$)(40%)

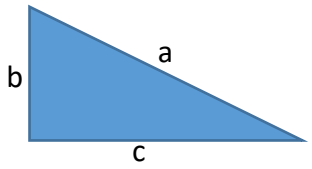



2. (星號矩形) 請撰寫一個函式顯示一個由星號所構成的實心矩形，其邊長是由整數參數 side1 和 side2 指定。例如: 若邊長為 4 和 5，則此函式應顯示如下: (30%)

```
*****
*****
*****
*****
```

3. (找出最大值) 撰寫一個函式，傳回四個浮點數中最大者。(30%)

1. ***(Sides of a Right Triangle)*** Write a function that reads three nonzero integers and determines whether they are the sides of a right-angled triangle. The function should take three integer arguments and return 1 (true) if the arguments comprise a right-angled triangle, and 0 (false) otherwise. Use this function in a program that inputs a series of sets of integers. (hint: $a^2 = b^2 + c^2$)(40%)




2. ***(Rectangle of Asterisks)*** Write a function that displays a solid rectangle of asterisks whose sides are specified in the integer parameters side1 and side2. For example, if the sides are 4 and 5, the function displays the following(30%)

```
*****
*****
*****
*****
```

3. ***(Find the Maximum)*** Write a function that returns the largest of four floating-point numbers.(30%)