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| C# 0.3 零基礎入門 | horizontal line  學習連結 [C# 簡介](https://docs.microsoft.com/zh-tw/dotnet/csharp/tutorials/intro-to-csharp/index)  2019.10.17 探索 C# 中分支和迴圈建構 |
| **ㅡ** if else陳述式來做決策if (條件)  執行動作;else (條件)  執行動作; | horizontal line  \\ &&代表且; || 代表或; 相等的 == 符號測試。 使用 == 可區分指派中相等的測試.  int a = 5;  int b = 3;  int c = 4;  if ((a + b + c > 10) && (a == b))  {  Console.WriteLine("The answer is greater than 10");  Console.WriteLine("And the first number is equal to the second");  }  else  {  Console.WriteLine("The answer is not greater than 10");  Console.WriteLine("Or the first number is not equal to the second");  } |
| **ㅡ** 迴圈重複執行作業while (條件)  {執行內容;}Do { 執行內容; } while (條件); | horizontal line  int counter = 0;  while (counter < 10)  {  Console.WriteLine($"Hello World! The counter is {counter}");  counter++;  }  int counter = 0;  do  {  Console.WriteLine($"Hello World! The counter is {counter}");  counter++;  } while (counter < 10); |
| **ㅡ** for 迴圈for(初始設定式; 條件; 迭代器) {  執行內容; } | horizontal line  for(int counter = 0; counter < 10; counter++)  {  Console.WriteLine($"Hello World! The counter is {counter}");  } |
| **ㅡ**結合分支和迴圈使用%、if、for 計算整數 1 至 20 內3的倍數的總和 | horizontal line  \\ sum += counter ; 在程式語言裡是指派的功能  int sum = 0;  for (int counter = 0; counter <=20; counter++)  {  if (counter %3 ==0)  {  sum = sum +counter;  }  }  Console.WriteLine(sum); |
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