

Truyền Thái Y – Pass “Value” to a Function or Method

Pass by value Truyền tham trị	Pass by reference Truyền tham chiếu	Pass a delegate (A special kind of pass by reference – refer to a method)
<ul style="list-style-type: none"> Give me a “single value” Cho em xin 1 con số, một giá trị đơn giản nào đó 	<ul style="list-style-type: none"> Give me an object {data methods} Cho em xin một đối tượng mà bên trong chứa: { nhiều data và nhiều hàm } 	<ul style="list-style-type: none"> Give me a method – Give me a source code – Give me a “your working process” – Give me a “your condition to process” Cho em xin đoạn 1 code – Gửi cho em, hoặc chỉ cho em cách bác muốn công việc được xử lí như thế nào – Gửi cho em 1 hàm duy nhất!
<ul style="list-style-type: none"> Pass a “single” value <div> <div>5</div> <div>10</div> <div>15</div> <div>20</div> </div>	<ul style="list-style-type: none"> Pass an object: with many data & methods <div> { SE1, An, 2003, F1(), Show() } </div>	<ul style="list-style-type: none"> Pass a method only (method is passed to a method) <div> <pre>void DoThing() { //code here... code outside; ☺ }</pre> </div>
<pre>void DoSomething(int n) { work on n int result = n */+--...; ... }</pre>	<pre>void DoSomething(Student S) { work on S call many S' methods call many S' source code S.Show(); code inside... }</pre>	<pre>void DoSomething(Action f) { f points to a “source code outside” {... code outside} run f() means run code {... outside} and back to run code inside code inside ... }</pre>

Truyền Thái Y – Pass “Delegate” to a Function or Method

Pass a void delegate Action, Action<... params>	Pass a function delegate Func<... params>	Pass a bool function delegate Predicate<only one param>
<ul style="list-style-type: none"> Give me a void method, a method just does something Cho em xin 1 cái hàm mà nó làm gì đó đi, hàm không trả về gì cả! 	<ul style="list-style-type: none"> Give me method that returns a value Cho em xin một hàm mà hàm này sẽ trả về giá trị/con số nào đó á 	<ul style="list-style-type: none"> Give me a method that takes an input, and will return true/false based on some criteria or conditions. Cho em xin 1 cái hàm mà biết trả ra đúng sai khi hàm này nhận một đầu vào
<ul style="list-style-type: none"> Pass a “void” method <pre>void DoThing(???) { //code here... code outside; 😊 }</pre>	<ul style="list-style-type: none"> Pass an object: with many data & methods <pre>int DoThing(???) { //code here... code outside; return ?; }</pre>	<ul style="list-style-type: none"> Pass a method only (method is passed to a method) <pre>bool DoThing(?) { //code here... code outside; return true/false; }</pre>
<pre>void DoSomething(Action<> f) void DoSomething(Action f) { f points to a “source code outside” (... code outside) run f(???) means run code (... outside) and back to run code inside code inside ... }</pre>	<pre>void DoSomething(Func<?> f) { f points to a “source code outside” (... code outside) run f(???) means run code (... outside) and back to run code inside code inside ... }</pre>	<pre>void DoSomething(Predicate<?> f) { f points to a “source code outside” (... code outside) run f(?) means run code (... outside) and back to run code inside code inside ... }</pre>