

# Anonymous Methods

## What

- › Anonymous methods are "name-less methods", that can be invoked by using the delegate variable or an event.



## How

### Subscribe to Event with Anonymous Method

```
EventName += delegate(param1, param2, ...)  
{  
    //method body here  
}
```



- › Anonymous methods can be used anywhere within the method, to create methods instantly, without define a method at the class level.
- › Advantage: We need not create a "named method (normal method)" to quickly handle an event.

## Rules

- › It can't be called without a delegate or event.
- › It can't contain jump statements like goto, break, continue.
- › It can access local variables and parameters of outer method.
- › It can be passed as a parameter to any method; in this case, the delegate acts as data type for the anonymous method.
- › It can't access ref or out parameter of an outer method.
- › It is mainly used for event handlers.