Anonymous functions are functions that are dynamically declared at runtime. They're called anonymous functions because they aren't given a name in the same way as normal functions.

Anonymous functions are declared using the [function operator instead of the function declaration](). You can use the function operator to create a new function wherever it's valid to put an expression. For example, you could declare a new function as a parameter to a function call or to assign a property of another object.

Here's a typical example of a named function:

```
function Hello(name)
{
    alert("Hello, " + name);
}
Hello("Manish");
```

Here's the same example created as an anonymous function:

```
var Hello = function (name)
{
    alert("Hello, " + name);
}
Hello("Manish");
```

Now, if you are creating function using above syntax, there is no benefit by giving a name, as you will not be able to use the name to access the method.

Why you may need a syntax like that, some examples are:

1. **Used in callbacks**

```
function Display(cb) {
    var res = cb(2, 3);
    console.log(res);
}

function Multiply(a, b) {
    return a * b;
}

Display(Multiply);

Display(function (a, b) { return a * b; });        //Anonymous Function
```

If you consider the above example, we have a Display() Method, which takes a parameter, which is supposed to be a function, now we have two choices i.e. either create a named function and pass it or create an inline function with the call (Anonymous Function).

2. **Handling Events**

When we handle events in JavaScript or jQuery, we use anonymous Functions

JavaScript

```
document.getElementById("btn").addEventListener("click", function (evt) {
    alert("Click Handled...");
});
```

jQuery

```
$(document).ready(function () {
    $("#btn").click(function (evt) {
        alert("Click Handled...");
    });
})
```

3. **IIFE (Immediately Invoked Function Expression)**

IIFE, is one of the most utilized features of JavaScript, using it we can implement patterns like Module Pattern and Revealing Module Pattern.

Normal Function Definition and Call

```
function Hello(name)
{
  alert("Hello, " + name);
}
Hello("Manish");
```

IIFE

```
(function (name) {
    alert("Hello, " + name);
})("Manish");
```

Module and Revealing Module Pattern - https://toddmotto.com/mastering-the-module-pattern/