

```
Extra, function  
y for outerHeight, outerWidth  
Name ] = function( margin, value ) {  
ble = arguments.length && ( defaultExtra || typeof margin !== "undefined" )  
= defaultExtra || ( margin === true || value === true ? "margin" : "border" )  
ccess( this, function( elem, type, value ) {  
doc;  
( jQuery.isWindow( elem ) ) {  
// S( window ).outerWidth/Height return w/h including scrollbar (if any)  
return funcName.indexOf( "outer" ) === 0 ?  
elem[ "inner" + name ] :  
elem.document.documentElement[ "client" + name ];  
}  
// Get document width or height  
if ( elem.nodeType === 9 ) {  
doc = elem.documentElement;  
// Either scroll(Width/Height) or offset(Width/Height) or client(Width/Height)  
// whichever is greatest  
return Math.max( doc.body[ "scroll" + name ], doc[ "scroll" + name ],  
doc.body[ "offset" + name ], doc[ "offset" + name ],  
doc.body[ "client" + name ], doc[ "client" + name ] );  
}
```

Session 1: OOP (Object Oriented Programming) and Object Type

Fundamental concepts of object-oriented programming

There are four fundamental concepts of object-oriented programming. They are:

- Classes
- Encapsulation
- Objects
- Inheritance

Concepts of Object-Oriented Programming – Objects

- Objects are the basic run-time variables in an object-oriented framework
- They may represent a place, a person, an account, a table of data, or anything that the program needs to handle

Concepts of Object-Oriented Programming – Encapsulation

- Encapsulation is the wrapping up or binding of data and function into a single unit called class
- Data encapsulation is the most prominent feature of a class wherein the data is not accessible to the outside world, and only those functions wrapped inside the class can access it
- These functions serve as the interface between the object's data and the program

Concepts of Object-Oriented Programming – Inheritance

- The phenomenon where objects of one class acquire the properties of objects of another class is called Inheritance
- For example, the object “car” inherits the properties of the class “Vehicles” and class “Light Weight Vehicles”
- In OOP, the concept of inheritance ensures reusability. This means that the child class inherits all the existing features of the parent class. Additional features can be added to it
- To create a class inheritance, use the keyword ‘extends’
