# JavaScript Promise vs Callback

A callback is a function that is passed to an another function. A callback may or may not be executed asynchronously. For example;

function two()  
{  
    return 2;  
}  
  
function x(y)  
{  
    *//execute y*  
    return y();  
}  
  
console.log(x(two)); *//2*

Here two() is a function. We are passing it as callback to function x(). Function x() may or may not execute it asynchronously. Here callback is executed asynchronously.

A Promise is a object which takes a callback and executes it asynchronously. For example;

function two()  
{  
    return 2;  
}  
    
function error(e)  
{  
    console.log(e);  
}  
  
var promise = new Promise(function(callback, e){  
    console.log(callback());  
});  
  
promise.then(two, error);

Here we passed two() as callback to promise’s then() function which is indeed executed asynchronously.