| Page No. | | |
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| Date | | |
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| erview que | stion) | |

Currying in javascript (int

function with multiple arguments, into sequence of function with single argument.

-> In other words, when a function, instead of taking all arguments at one time; takes the first one and return a new function that takes the second one and returns a new function which takes the third one, and so forth, until all arguments have been fulfilled.

Now we will see two ways to curry functions

O using bind function

O using closure concept

1) using bind function

let multiply = function (x,y) {
 (on sole log(x*y);

let multiply Two = multiply-bind (this, 2);
multiply Two (5);
let multiply Three = multiply-bind (this, 3);
multiply Three (5);

here xis 2

and y is 5 in multiply Two method

| | Date |
|---------------|--|
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| | This is called as currying in javascript. Here we are using multiply method to create multiply Three method. |
| | there we are using multiply method to greate |
| | multiply Two and multiply Three method. |
| | |
| -> | Now what if we pass one more orgument |
| | |
| | let multiply = function(x,y)? (onvole-log(x*y); |
| | (onvole-log(x*y); |
| | |
| | let multiply Two = multiply. bind (this, 2,3); |
| | let multiply Two = multiply. bind (this, 2,3); multiply Two (5); [xwill be 3] |
| | Lywin |
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| | so here is will end up with "y" and 5 will be ignored which is in multiply Two method. |
| | be ignored which is in multiply two method. |
| | |
| \rightarrow | Now what if we pass both arguments using |
| | multiply Two method, then about it will work. |
| | |
| | let multiply = function (x,y) 2 (onsole.log(x*y); |
| | (onsole.log(x*y)) |
| | J I I I I I I I I I I I I I I I I I I I |
| | let multiply Two = multiply, bind (this,) |
| | multiply Two (4,5); |
| | y will be 5 |
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Page No.

| Page No. | |
|----------|--|
| Date | |
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let multiply = function(x) {

return function(y) {

convole.log(x*y);

} this function also has access to x due to Clorkes

let multiplyTwo = multiply(2); multiplyTwo (3);

so these are two ways to curry functions.

a function with multiple arity into the same function with less arity. The curried effect is achieved by binding some of the organization to the first function invoke, so that those values are fixed for the next invocation.

asity is the term used to sefer to the number of arguments or operation, respectively.