JS Most Asked Question

Anonymous Functions

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Anonymous Functions

- JavaScript **Anonymous** function does not have a name with its declaration and this is usually passed as the argument to the other higher-order functions.

- The **anonymous** function is basically built and used for instant function execution within a function as a parameter

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Example

```
function mul (x) {
   return function (y) {
      return function (z) {
         return x * y * z;
      };
   };
}

console.log(mul(4)(3)(4));//48
```

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Closure vs Anonymous function

- An **anonymous** function is just a function that has no name; nothing more.
- A **closure** is a function that captures the state of the surrounding environment.

- An **anonymous** function does not necessarily need to create a closure,
- A **closure** is not created only for anonymous functions.

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Closure Example

JS

```
function outer() {

    var greeting = "hello ";

(function(name, greeting) {

    alert(greeting + name);

})("John Doe", greeting);
}
```

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