

Hack your future BE

JAVASCRIPT 2

Never stop learning
Life never stops teaching

FUNCTIONS

CALLBACKS

SCOPE

CALLBACK

```
function greeting(name) {  
    alert('Hello ' + name);  
}
```

```
function processUserInput(callback) {  
    var name = prompt('Please enter your name.');
```



```
    callback(name);  
}
```

```
processUserInput(greeting);
```

CALLBACK

```
const callback = () => {  
  console.log("Done!");  
}
```

```
setTimeout(callback, 5000);
```

```
const name = 'HackYourFuture';  
const scope1 = () => {  
  // name is available here  
  const scope2 = () => {  
    // name is available here too  
    const scope3 = () => {  
      // name is also available here!  
    };  
  };  
};
```

```
// name = undefined
const scope1 = () => {
  // name = undefined
  const scope2 = () => {
    // name = undefined
    const scope3 = () => {
      const name = 'HackYourFuture'; // locally scoped
    };
  };
};
```

```
const sayHello = (name) => {  
  const text = 'Hello, ' + name;  
  return () => {  
    console.log(text);  
  };  
};
```

```
sayHello('HackYourFuture');
```

```
const helloHYF = sayHello('HackYourFuture');  
helloHYF();
```



```
( () => {  
  const myFunction = () => {  
    // do some stuff here  
  };  
} ) ();
```

```
myFunction();
```

```
const Module = ( () => {  
  const privateMethod = () => {  
  
  };  
  return {  
    publicMethod: () => {  
      // privateMethod();  
    }  
  };  
})();
```

```
Module.privateMethod();  
Module.publicMethod();
```

```
let dog = {  
  name: 'doggo',  
  sayName () {  
    console.log(this.name)  
  }  
}  
let sayName = dog.sayName  
sayName()
```

```
function isBig (thing) {  
  if (thing == 0 || thing == 1 || thing == 2) {  
    return false  
  }  
  return true  
}
```

```
isBig(1)  
isBig([2])  
isBig([3])
```

```
x = 5;  
elem = document.getElementById("demo");  
elem.innerHTML = x;  
var x;
```

```
var x;  
x = 5;  
elem = document.getElementById("demo");  
elem.innerHTML = x;
```

```
console.log(typeof null);
```

```
console.log(typeof {});
```

```
console.log(typeof []);
```

```
console.log(typeof undefined);
```

```
function printing() {  
    console.log(1);  
    setTimeout( () => { console.log(2); }, 1000);  
    setTimeout( () => { console.log(3); }, 0);  
    console.log(4);  
}
```

```
printing();
```

Write a javascript program to find the most frequent item in an array

HOMework