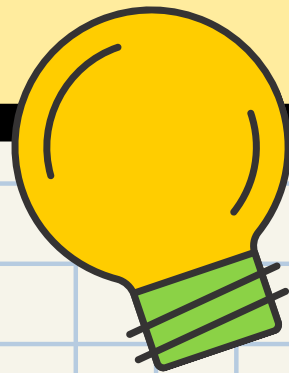
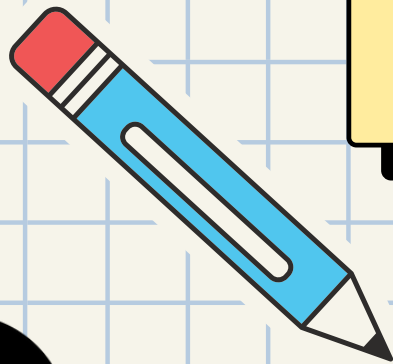
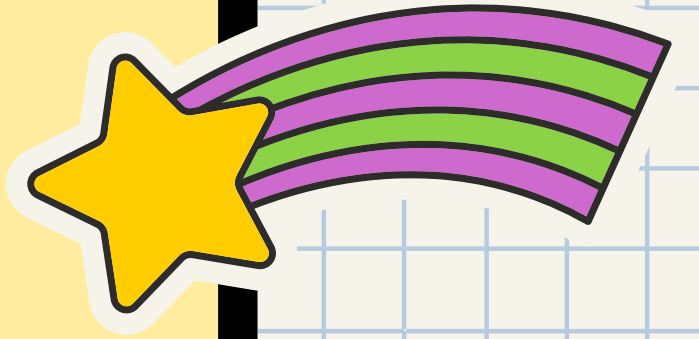
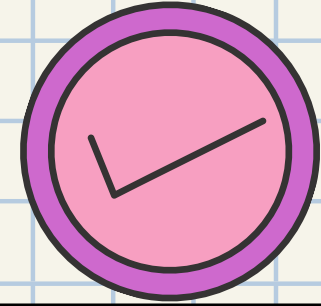


ADVANCED FUNCTION CONCEPTS



Arrow Functions

The arrow function is one of the features introduced in the ES6 version of JavaScript. It allows you to create functions in a cleaner way compared to regular functions. Here are some of the valid syntax for arrow function:

```
() => expression
```

```
(param1, paramN) => expression
```

```
() => {  
  statements  
}
```

```
(param1, paramN) => {  
  statements  
}
```



Callback Functions

A callback is a function passed as an argument to another function.

```
// function
function greet(name, callback) {
    console.log('Hi' + ' ' + name);
    callback();
}

// callback function
function callMe() {
    console.log('I am callback function');
}

// passing function as an argument
greet('Peter', callMe);
```



Array Callback Functions

<code>find()</code>	returns the first value of an array element that passes a test
<code>findIndex()</code>	returns the first index of an array element that passes a test
<code>forEach()</code>	calls a function for each element
<code>map()</code>	creates a new array with the results of calling a function for every array element.
<code>filter()</code>	returns a new array with all elements that pass the test defined by the given function.
<code>every()</code>	check whether all the elements of the array satisfy the given condition or not.
<code>some()</code>	check whether at least one of the elements of the array satisfies the given condition or not.

