

ARROW & NON-ARROW FUNCTIONS

1. TABLE 1: Information (Facts & Differences)

Topic	Arrow Function	Regular Function
Looks Like	<pre>const function1 = () => { ...//Logic... };</pre>	<pre>function function1() { ... //Logic... }</pre>
How to Call it	<code>function1();</code>	<code>function1();</code>
Good for/Purpose	Short, simple functions	Reusable – easy to use in many places
In React	Very common	Less often, but still used
Inline JSX	<code>onClick={() => ...}</code>	<code>onClick={function() { ... }}</code>
Conclusion	Fast, short and bound	Longer, older and unbound

2. Table 2 — Examples (with how to call each one)

Example Type	Arrow Function	Regular Function
Say Hi	Definition: <pre>const sayHi = () => { console.log("Hi!"); };</pre> Call: <code>sayHi();</code>	Definition: <pre>function sayHi() { console.log("Hi!"); }</pre> Call: <code>sayHi();</code>
Double the number (Math)	Definition: <pre>const double = (n) => n * 2;</pre> Call: <code>double(5);</code>	Definition: <pre>function double(n) { return n * 2; }</pre> Call: <code>double(5);</code>
Saying Name	Definition: <pre>const sayName = () => { console.log("My name is Bob!"); };</pre> Call: <code>sayName();</code>	Definition: <pre>function sayName() { console.log("My name is Bob!"); }</pre> Call: <code>sayName();</code>
Adding Numbers	Definition: <pre>const add = (a, b) => a + b;</pre>	Definition: <pre>function add(a, b) { return a + b; }</pre>

	Call: add(12, 15);	} Call: add(12, 15);
React Component	Definition & Call: function Message() { const showMsg = () => { alert("Hello from arrow!"); }; return <button onClick = {showMsg}> Talk </button>; }	Definition & Call: function Message() { function showMsg() { alert("Hello from regular!"); } return <button onClick = {showMsg}> Talk </button>; }
Inline Click	Definition: onClick = { () => alert("Arrow!") }	Definition: onClick = { function() { alert("Regular!"); } }
Inside a Component	const shout = () => alert("Arrow!");	function shout() { alert("Regular!"); }