

## ARROW & NON-ARROW FUNCTIONS

1. TABLE 1: Information (Facts & Differences)

Topic	Arrow Function	Regular Function
Looks Like	const function1 = () => { ...//Logic... };	function function1() { ... //Logic... }
How to Call it	function1();	function1();
Good for/Purpose	Short, simple functions	Reusable – easy to use in many places
In React	Very common	Less often, but still used
Inline JSX	onClick={() => ...}	onClick={function() { ... }}
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	<b>Definition:</b> const sayHi = () => { console.log("Hi!"); }; <b>Call:</b> sayHi();	<b>Definition:</b> function sayHi() { console.log("Hi!"); } <b>Call:</b> sayHi();
Double the number (Math)	<b>Definition:</b> const double = (n) => n * 2;  <b>Call:</b> double(5);	<b>Definition:</b> function double(n) { return n * 2; } <b>Call:</b> double(5);
Saying Name	<b>Definition:</b> const sayName = () => { console.log("My name is Bob!"); }; <b>Call:</b> sayName();	<b>Definition:</b> function sayName() { console.log("My name is Bob!"); } <b>Call:</b> sayName();
Adding Numbers	<b>Definition:</b> const add = (a, b) => a + b;	<b>Definition:</b> function add(a, b) { return a + b;

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