JavaScript functions

JavaScript functions are blocks of code designed to perform specific tasks.it can accepts the input parameters and returns the output parameters.

**Types of Functions in JavaScript**

1. Function Declaration

2. Function Expression

3. Arrow Function

4. Anonymous Function

5. Immediately Invoked Function Expression (IIFE)

**1. Function Declaration:**

A function declaration defines a function and gives it a name.

**Syntax**: function functionName() { }

function name() {

console.log("Hello Aspire!");

}

2. **Function Expression:**

A function expression defines a function and assigns it to a variable.

**Syntax**: const functionName = function() { }

const employee = function() {

console.log("employee id!");

};

**3. Arrow Function:**

Arrow functions provide a shorter syntax for writing functions.

**Syntax**: (parameters) => { }

const greet = () =>

{ console.log("Hello, World!");

};

**4. Anonymous Function:**

An anonymous function is a function that does not have a name.

used as a callback function.

**Syntax**: function() { }

setTimeout(function()

{ console.log("This is an anonymous function!");

}, 1000);

**5. Immediately Invoked Function Expression (IIFE):**

An IIFE is a function that is defined and immediately executed. It is often used to create a new scope to avoid polluting the global scope.

**Syntax**: (function() { })();

(function() {

console.log("This is aspire!");

})();