**Learn Dart with Waqar**

**Functions in Dart:**

Functions are the building blocks of readable, maintainable, and reusable code. A function is a set of statements to perform a specific task. Functions organize the program into logical blocks of code. Once defined, functions may be called to access code. This makes the code reusable. Moreover, functions make it easy to read and maintain the program’s code.

A function declaration tells the compiler about a function's name, return type, and parameters. A function definition provides the actual body of the function.

**Defining a Function:** A function definition specifies what and how a specific task would be done.

**Calling a Function:** A function must be called so as to execute it.

**Returning Functions:** Functions may also return value along with control, back to the caller.

**Parameterized Function:** Parameters are a mechanism to pass values to functions.

**Example:**

int sum(int num1, int num2) {

return num1+num2;

}

void sum(int num1, int num2) {

print(num1+num2);

}

**Properties of Functions:**

* Functions in dart are **objects.**
* Functions can be assigned to a variable or passed as parameter to other functions.
* All functions in dart returns a value.
* If no return value is specified the function return **null**.
* Specifying return types is optional but is recommended as per code convention.