

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light greenish-blue. They are positioned diagonally, with the blue one partially covering the green one.

Dart Programming Language

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- II. Variable
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I. Introduction

Dart is a general purpose programming language developed by Google. You can use it to develop web, server, desktop and mobile applications for iOS and Android. It's easy to learn (especially if you read this book) and also has great tooling support.



II. Variables & Constants

<code>int n1 = 10;</code>	stores integers (whole numbers), without decimals, such as 123 or -123
<code>double n2 = 12.23;</code>	stores floating point numbers, with decimals, such as 19.99 or -19.99
<code>String n3 = 'myString';</code>	stores text, such as "Hello World". String values are surrounded by double quotes
<code>bool n4 = true;</code>	stores values with two states: true or false
<code>var n5 = 12;</code>	The var keyword says to Dart, "Use whatever type is appropriate."
<code>dynamic n6 = '12112'; n5 = 12.12; n5 = 12;</code>	lets you assign any data type you like to your variable
<code>num n7 = 12.5; num n7 = 12;</code>	store both an integer and floating-point value
<code>const n10 = 10;</code>	constants when compile-time
<code>final n11 = n1 + n2;</code>	constants when runtime

III. List and Mapping

List

```
void main() {  
    List<int> myList = [1, 3, 5, 1, 5, 8, 9];  
    myList.forEach((element) {  
        print(element);  
    });  
    myList.removeAt(5);  
    myList.sort();  
}
```

Mapping

```
void main() {  
    Map<String, dynamic> student = {  
        'id': 12323,  
        'name': 'Phanith',  
        'age': 20,  
        'address': '123 Main St',  
        'phone': '555-555-5555'  
    };  
    print(student['name']);
```

```
//Modify the student map to add a new key/value pair  
student['name'] = 'John';
```

```
//forEach loop to print out all the key/value pairs  
student.forEach((key, value) {  
    print('$key: $value');  
});
```

```
//Remove the phone key/value pair  
student.clear();  
}
```

THANK YOU