

JAVA FUNDAMENTALS COURSE

CURRICULUM JAVA FUNDAMENTALS



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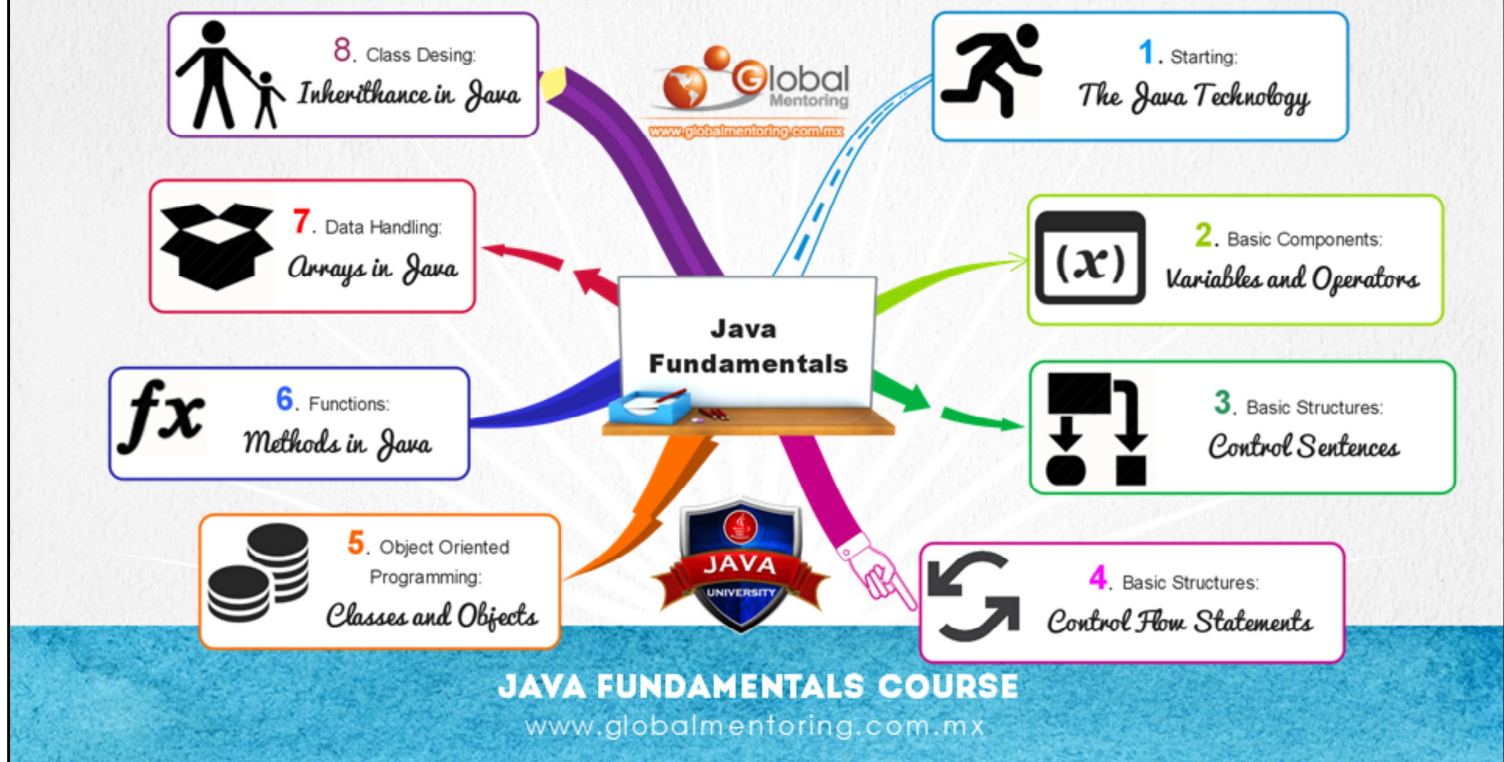
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Hello, I hope you're ready to begin.

Let's review the general agenda of the Java Fundamentals Course.

Are you ready? Let's go!

CURRICULUM OF JAVA FUNDAMENTALS COURSE



Let's review the general content of the Java Fundamentals Course:

Starting.- The Java technology: In this section we will study the main features of the Java language, the origin and evolution of this fabulous language. We will also review the different products and versions offered by Java technology, and we will take a look at the Java Virtual Machine (JVM) to understand how the Java language works. We will also install the tools that we will use throughout the course, including the Java Development Kit (JDK) and we will create the first HelloWorld Java project.

Basic Components.- Variables and Operators: In this section we will review the concept of variables in Java, as well as the data types that this programming language offers to us. We will create some exercises to put these concepts into practice. Also, examine the types of operators that Java offer to us, as well as the reserved words of the Java language. We will create some exercises to implement the use of operators, and we will check the operator precedence in Java.

Basic Structures.- Control Sentences: We will review the control statements like if / else and switch. The syntax of each one, as well as some exercises to put these concepts into practice. We will also review more Java operators, which are constantly used with the if or switch statements.

Basic Structures.- Control Flow Statements: In this section we will analyze the while, do-while and for statements in Java. We will study the syntax of each one and create several exercises to learn each one of these concepts.

Object Oriented Programming.- Java Classes and Objects: In this section we will study the concepts of Classes and Objects in Java. We will see the general structure to create a class in Java, and the syntax to create objects from a class. These concepts are pillars in Java technology. We will create many exercises to put these concepts into practice.

Functions.- Methods in Java: Define what a method is, as well as the syntax in Java to create methods. We will see how to make method calls and create an exercise to implement this important concept in Java.

Data Handling.- Arrays in Java: We will study the concept of Arrays of one and two dimensions in Java. Both concepts are the most basic data structures that we will use in our Java projects. We will also create several exercises to work with these concepts.

Class Design.- Inheritance and Encapsulation: We will learn the concept of Inheritance in Java and how to put this important concept into practice in our projects. We will also review the concept of encapsulation and how to apply it to our Java classes.

This is the general agenda of the Java Fundamentals Course. These are just some of the many more topics we will learn throughout this course. So if you're ready, let's start immediately.

ONLINE COURSE

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