Java Workshop
Course Content

Techfest is the annual science and technology festival of IIT Bombay. Attending the workshop would give you an exclusive pass to all events at Techfest, IIT Bombay, including Robowars and EDM Concert. Get Certificates from IIT Bombay and Jio after completing this workshop.

Following is the basic outline of the in-person workshop that would be happening in Techfest at IIT Bombay.

The details of the workshop are as follows:

Workshop Name:

Java Programming

Content of the Workshop:

We will delve into and master the fundamentals of Java Programming along with JavaFX, GUI and web development. JavaFX is a Java library and a GUI toolkit designed to develop and facilitate Rich Internet applications, web applications, and desktop applications. The most significant perk of using JavaFX is that the applications written using this library can run on multiple operating systems like Windows, Linux, iOS, Android, and several platforms like Desktops, Web, Mobile Phones, TVs, Tablets, etc. This characteristic of the JavaFX library makes it very versatile across operating systems and different platforms.

Topics to be covered

Day 1
1. Introduction to Java: Basics and Setup
2. Control Structures and Functions
3. Object-Oriented Programming (OOP)
4. Arrays

Day 2
5. Strings library
6. Introduction to JavaFX
7. Introduction to Web Development
8. Project