

## **JAVA SE 8 PROGRAMMING**

**Duration: 60 Hours**

### **Program Objective**

- Creating high-performing multi-threaded applications
- Creating Java technology applications that leverage the object-oriented features of the Java language, such as
- encapsulation, inheritance, and polymorphism
- Implementing input/output (I/O) functionality to read from and write to data and text files and understand advanced I/O
- streams
- Executing a Java technology application from the command line
- Manipulating files, directories and file systems using the JDK NIO.2 specification
- Creating applications that use the Java Collections framework
- Performing multiple operations on database tables, including creating, reading, updating and deleting using both JDBC
- and JPA technology
- Searching and filter collections using Lambda Expressions
- Implementing error-handling techniques using exception handling
- Using Lambda Expression concurrency features

### **Prerequisite**

- Knowledge about Windows Environment
- Logic Building and problem solving skills

### **Certificate Title**

Programming in Java

### **Global Certification Mapped**

Exam Number: 1Z0-809

Exam Title: Java SE 8 Programmer 2