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| **1Z0-819 Objectives** | **Programmer I (1Z0-815) Chapter** | **Programmer II (1Z0-816) Chapter** | **Complete Study Guide Chapter** |
| Working with Java data types | 3 – Operators 4 – Making Decisions 5 – Core Java APIs 6 – Lambdas and Functional Interfaces | 1 – Java Fundamentals | 3 – Operators 4 – Making Decisions 5 – Core Java APIs 6 – Lambdas and Functional Interfaces 12 – Java Fundamentals |
| Controlling Program Flow | 4 – Making Decisions |  | 4 – Making Decisions |
| Java Object-Oriented Approach | 2 – Java Building Blocks 7 – Methods and Encapsulation 8 – Class Design 9 – Advanced Class Design | 1 – Java Fundamentals | 2 – Java Building Blocks 7 – Methods and Encapsulation 8 – Class Design 9 – Advanced Class Design 12 – Java Fundamentals |
| Exception Handling | 10 – Exceptions | 5 – Exceptions, Assertions, and Localization | 10 – Exceptions 16 – Exceptions, Assertions, and Localization |
| Working with Arrays and Collections | 5 – Core Java APIs | 3 – Generics and Collections | 5 – Core Java APIs 14 – Generics and Collections |
| Working with Streams and Lambda expressions | 6 – Lambdas and Functional Interfaces | 4 – Functional Programming 7 – Concurrency | 6 – Lambdas and Functional Interfaces 15 – Functional Programming 18 – Concurrency |
| Java Platform Module System | 11 – Modules | 6 – Modular Applications | 11 – Modules 17 – Modular Applications |
| Concurrency |  | 7 – Concurrency | 18 – Concurrency |
| Java I/O API |  | 8 – I/O 9 – NIO.2 | 19 – I/O 20 – NIO.2 |
| Secure Coding in Java SE Application |  | 11 – Security | 22 – Security |
| Database Applications with JDBC |  | 10 – JDBC | 21 – JDBC |
| Localization |  | 5 – Exceptions, Assertions, and Localization | 16 – Exceptions, Assertions, and Localization |
| Annotations |  | 2 – Annotations | 13 – Annotations |