| **Week** | **Dates (Wed–Fri)** | **Topics** |
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| 1 | 23–25 July | Structure of Java Programs |
| 2 | 30 July–1 Aug | Classes and Objects |
| 3 | 6–8 Aug | Data Types and Type Casting |
| 4 | 13–15 Aug | Looping Constructs |
| 5 | 20–22 Aug | Interface Basics |
| 6 | 27–29 Aug | Defining and Implementing Interfaces |
| 7 | 3–5 Sept | Extending Interfaces, Multiple Inheritance |
| 8 | 10–12 Sept | Packages: Basics, System Packages |
| 9 | 17–19 Sept | Creating and Accessing User-defined Packages |
| 10 | 24–26 Sept | Exception Handling: try, catch, throw |
| 11 | 1–3 Oct | throws, finally, Nested try |
| 12 | 8–10 Oct | Multiple catch, User-defined Exceptions |
| 13 | 15–17 Oct | Byte and Character Streams |
| 14 | 29–31 Oct | File I/O Basics and Operations ,AWT Class Hierarchy, Event Sources |
| 15 | 5–7 Nov | Event Classes and Listeners |
| 16 | 12–14 Nov | Delegation Event Model |
| 17 | 19–21 Nov | GUI Applications using AWT |
| 18 | 22–24 Nov | Revision and Practice |

**Lesson plan: Java OOP Foundations(BCA 3rd Sem)**