

Syllabus		
Expt. No.	Contents	Mapped CO
1	Implement the concept of classes and objects.	CO1,CO2,CO3,CO4,CO5
2	Use String and String Tokenizer classes to develop Java programs.	CO1,CO2,CO3,CO4,CO5
3	Implement the reusability concept through inheritance.	CO1,CO2,CO3,CO4,CO5
4	Implement the concept of Polymorphism.	CO1,CO2,CO3,CO4,CO5
5	Develop Java programs using Abstract Class.	CO1,CO2,CO3,CO4,CO5
6	Use interfaces to develop Java programs.	CO1,CO2,CO3,CO4,CO5
7	Create a package and access members from a package.	CO1,CO2,CO3,CO4,CO5
8	Apply Exception handling to build robust programs.	CO1,CO2,CO3,CO4,CO5
9	Apply Multithreading to run the task parallel	CO1,CO2,CO3,CO4,CO5
10	Apply Collection Framework to implement various data structures	CO1,CO2,CO3,CO4,CO5
11	Use Case -1	CO1,CO2,CO3,CO4,CO5
12	Use Case -2	CO1,CO2,CO3,CO4,CO5
13	Use Case-3	CO1,CO2,CO3,CO4,CO5
14	Use Case-4	CO1,CO2,CO3,CO4,CO5

Learning Resources

Text Books

1. Java - The Complete Reference, Herbert Schildt, Ninth Edition, 2014, McGraw -Hill.

References

1. Programming in Java, Sachin Malhotra, Saurabh Choudhary, Second Edition, 2018, Oxford.
2. Head First Java, Bert Bates, Kathy Sierra, Second Edition, 2005, O'Reilly.
3. Core Java an Integrated Approach, Dr. R. Nageswara Rao, 2017, Dreamtech.
4. Object Oriented Programming through Java, P. Radha Krishna, 2007, Universities Press.

e- Resources and other Digital Material

1. <https://nptel.ac.in/courses/106/105/106105191/>
2. <https://www.udemy.com/course/java-tutorial/>
3. <https://www.decodejava.com/>
4. <https://www.codecademy.com/learn/learn-java>
5. <https://www.w3schools.com/java/>