

Program List

Exp No	List of Programs	Date of Completion
1.	a. Write a Java program that prints “Welcome to Java Programming” in Console Screen b. Write a Java Program that accepts three integers by using Scanner class and prints their added value on the console screen c. Write a Java Program that accepts an integer and prints even or odd. d. Write a Java Program that accepts two integers and prints the largest number among them. e. Write a Java Program that accepts an integer and prints its factorial by using a while loop. f. Write a Java Program that accepts an integer and prints whether it is prime or not. g. Write a Java program for calculator using switch <u>Hackerrank Programs</u> h. <u>Java Stdin and Stdout I HackerRank</u> i. <u>Java Stdin and Stdout II HackerRank</u> j. <u>Java If-Else HackerRank</u> k. <u>Java Loops I HackerRank</u> l. <u>Java Loops II HackerRank</u>	24.7.2025
2.	a. Write a Java Program that accepts student roll, name, number of subjects and marks of those subjects. Program should print accepted input, total and average of marks.(USE 1D Array to store marks) b. Write a Java Program that accepts the size of 2 matrices and their Elements. The program should print the resultant matrix after matrix addition. (USE 2D arrays to store matrices). <u>Programs in CodeChef</u> c. <u>https://www.codechef.com/practice/course/arrays/ARRAYS/problems/SEARCHINARR</u> d. <u>https://www.codechef.com/practice/course/arrays/ARRAYS/problems/UWCOI20A</u> e. <u>https://www.codechef.com/practice/course/arrays/ARRAYS/problems/DISCOUNTT</u>	31.7.2025

3.	a) Write a java program by exploring methods of String Class b) Write a java program by exploring methods of StringBuffer Class Hackerrank Problems c) https://www.hackerrank.com/challenges/java-strings-introduction d) https://www.hackerrank.com/challenges/java-substring e) https://www.hackerrank.com/challenges/java-string-compare f) https://www.hackerrank.com/challenges/java-string-reverse g) https://www.hackerrank.com/challenges/java-string-tokens	07.08.2025 14.08.2025
4.	a) Write a Java Program that demonstrates static variable and static method. b) Create a Java program that demonstrates the concepts of static block.	21.08.2025
5.	a) Write a Java Program that demonstrates a class definition with private data members and public methods. Instantiate above class and call its public methods.(Example- Student Class) b) Java Class Program from GFG c) Write a Java Program that demonstrates a class definition with private data members, constructor and public methods. Instantiate above class and call its public methods	04.09.2025 11.09.2025
6.	a) Write a Java Program that demonstrates single inheritance b) Write a Java Program that demonstrates Hierarchical inheritance c) Inheritance program from GFG	11.09.2025
7.	a) Create a Java program that demonstrates the concept of method overloading. b) Write a Java program that demonstrates Constructor Overloading c) Write a Java Program that demonstrates Multilevel inheritance, method overriding and runtime polymorphism d) GFG Program on Method Overriding in Java	18.09.2025
8.	Create a Java program that demonstrates the concept of partial abstraction by using abstract methods and abstract class.	18.09.2025
9.	a) Create a Java program that demonstrates the concept full abstraction using interfaces. b) Create a Java program that demonstrates the multiple inheritance among interfaces.	25.09.2025

10.	a) Create a package and access members from the package to avoid naming conflicts.	25.09.2025
11.	a) Develop a Java Program on the concept of Exception Handling with try, catch, and finally Blocks b) Develop a Java Program on the concept of Exception Handling with single try and multiple catch Blocks. c) Develop a Java Program on the concept of Exception Handling with User Defined Exception.	09.10.2025
12.	Develop Java programs using Multithreading for process Synchronization.	09.10.2025
13.	Implement various data structures using Collection Framework. • Iterator - https://www.geeksforgeeks.org/problems/java-iterator2702/1 • ArrayList Program - https://www.geeksforgeeks.org/problems/java-arraylist5312/1 • ArrayList Program2-https://www.geeksforgeeks.org/problems/java-collection-set-1-arraylist/1 • Set - https://www.geeksforgeeks.org/problems/java-collection-set-2-set/1 • HashMap - https://www.geeksforgeeks.org/problems/java-hashmap1033/1 • Stack - https://www.geeksforgeeks.org/problems/java-collections-set-1-stack5707/1 • Queue - https://www.geeksforgeeks.org/problems/java-collections-set-9-queue/1	16.10.2025
14.	Internal Exam for B.Tech ECE III-I S1 (Exam in Room 357, S2 should utilize Room 372)	23.10.2025
15.	Internal Exam for B.Tech ECE III-I S2 (Exam in Room 357, S1 should utilize Room 372)	25.10.2025
16.	Additional Experiments & Case Study	30.10.2025