

Topic
Introduction to Java Programming
Structure of programming
Identifiers & Data types
Class and Object
Operators-1.1
Operators-1.2
Basic I/O 1.1 (Console classes, methods, Reading Password, Scanner class)
Basic I/O 1.2 (Command Line Arguments, BufferedReader, BufferedWriter, Programs on I/O)
Conditional Statements (Simple if, If..else, Nested if, Cascaded if, switch)
Programs on Conditional Statements
Looping/Branching (While, do..while, infinite loop, for(;;), for each)
Jumping Statements (Break, continue, return)
Pattern Programs
Numerical Looping question (Perfect Numbers, Strong numbers, Armstrong Numbers)
Class - 1.1 (Inner class, Local Inner class, Static nested class) (Member Inner Class & Anonymous Inner Class)
Class - 1.2 (Abstract Classes)
Object class methods
Strings 1.1 (Introduction, Immutable String, Comparison, Concatenation)
Strings 1.2 (String Buffer, String Builder, String tokenizer)
Strings 1.3 (String vs StringBuffer, StringBuffer vs StringBuilder)
String Inbuilt methods
Advanced String Problems
Regex 1.1
Regex 1.2
Date and Time-1.1
Date and Time-1.2
Arrays 1.1 (1D array) & (Problems)
Arrays 1.2 (2d Arrays and Ragged Arrays)

Arrays 1.3 (MCQs)
Arrays 1.4 (Programs)
Object Oriented Programming
Inheritance 1.1 (Introduction, Need for Inheritance, Practical Application)
Inheritance 1.2 (IS - A, HAS - A)
Inheritance 1.3 (Types of Inheritance)
Inheritance 1.4 (Constructor, Destructor)
Problems on Inheritance
Access Modifiers-1.1
Access Modifiers-1.2
Aggregation
Association in java
Programs in Association
Aggregation in java
Programs in Aggregation
Modifiers - MCQ based
Abstract Class and Abstract methods
Abstract classes - program
Interface
Multiple inheritance - Interface
MCQs on abstract class and Interfaces
Exception Handling
Multiple catch blocks
Creating own exceptions
Handling own exceptions
Final Keyword
Collections - Introduction
Collections - Classification and Importance
Collections - List Interface
Collections - Array List
Collections - LinkedList
Collections - Sorted Set, Tree Set
Collections - Queue Interface
Collections - Priority Queue Interface
Collections - ArrayDeque
Map Interface
Hash Map Interface
Linked Hash Map