

QUESTION 3: Advanced Java Programming

Analyse the following Java code segment and answer the questions that follow:

```
1 public class GenericCreator<X, Y> {  
2     private X simple;  
3     private Y[] advanced;  
4     public static init(X x) {  
5         System.out.println(x);  
6     }  
7     public void setSimple(X x) {  
8         simple = x;  
9     }  
10    public void createY() {  
11        advanced = new Y[5];  
12    }  
13 }
```

The code shown above does not *compile*. Indicate the line(s) where *problem(s)* occur and provide Java source code that will correct the problem.

Advanced Java Programming Question Bank With Answer

G Thomas



Advanced Java Programming Question Bank With Answer:

Mastering Advanced Java Programming Question Bank Vol-1 Anshuman Mishra, 2025-07-08 Java has long held its position as one of the most robust and versatile programming languages in the world With its WORA Write Once Run Anywhere philosophy strong community support extensive libraries and vast application from enterprise software to Android development Java remains a top choice for developers across domains As academia industry and government services increasingly demand Java proficiency there is an ever growing need for quality educational resources that combine theoretical understanding with practical insight This book Mastering Advanced Java Programming QUESTION BANK is designed to fulfill that demand It offers an exhaustive and carefully structured set of conceptual and practice based questions for undergraduate postgraduate and professional level learners The content is aligned with the curricula of BCA MCA B Tech and M Tech programs and caters equally to interview aspirants preparing for top software companies or competitive examinations Purpose of the Book The main goal of this book is to create a comprehensive question bank that supports deep conceptual clarity practical problem solving and real world application of advanced Java programming topics Rather than simply providing theoretical content this book focuses on Enabling mastery through questions Helping students and professionals prepare for technical interviews and campus placements Serving as a self assessment tool and a ready reference during academic exams Facilitating the transition from basic to advanced level Java programming through gradual topic progression The book covers all essential and advanced topics in Java ensuring a 360 degree approach to learning the language Who Should Use This Book This book is ideal for Undergraduate and Postgraduate Students of BCA MCA B Tech M Tech Computer Science IT Software Engineering AI Data Science etc Faculty Members and Trainers who want a ready resource for quizzes assignments and classroom problem solving sessions Software Professionals and Developers who want to brush up on their Java fundamentals and advanced knowledge Job Aspirants and Interview Candidates preparing for software interviews at top companies like TCS Infosys Wipro Cognizant Capgemini Google Amazon Microsoft etc Competitive Exam Candidates preparing for UGC NET GATE NIELIT ISRO DRDO or PSU exams Structure of the Book Each chapter in this book is centered around a major concept or module of advanced Java The topics are logically sequenced to help learners move from foundational to complex topics efficiently Every chapter includes 50 Multiple Choice Questions MCQs To quickly test theoretical and applied understanding of key concepts 25 Short Answer Questions These are designed to reinforce definitions syntax differences and direct knowledge 15 Mid Length Answer Questions These offer detailed explanations programming scenarios and algorithmic logic 20 Programming Questions with Answers Focused on hands on coding problems real time logic implementation debugging exercises and project level code blocks This uniform structure ensures that learners not only grasp the concept but also gain confidence through layered practice

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Clear Grasp of Object Oriented Programming OOP OOP is

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