JAVA PROGRAMMING IMPORTANT QUESTIONS

- 1. Short note on class and object/responsibilities of agent/features of java/applications of oop/benefits of oop/oops concepts?
- 2.Significance of byte code/Lexical issues of java/Difference between class,abstract class,interface?
- 3.Difference between methodoverloading and overriding with example programs?
- 4. Scope and lifetime of variable/operators in java/short note on jvm, jre, jdk?
- 5.Define constructor/types of constructor with example programs/ constructor overloading with example?
- 6.Data types in java/array,ananymous arrays/variables in java[local,instance,static]?
- 7. Various control statements in java with syntax?
- 8.Define inheritance/types of inheritance/benefits, costa associated with inheritance/forms of inheritance/programs related to single, multiple inheritance?
- 9.Define polymorphism/types of polymorphism with example programs?
- 10. Explain any five string handling function?
- 11.Use of super, final keywords with example programs?



Java programming important questions for btech 2nd year intuh//R18 regular and supply





UNTT-2

- 1.Define package/how to create and use a package in java/how to access a package/ need of package creation(with example programs)?
- 2.Static binding and dynamic binding/dynamic method dispatch?
- 3. Anonymous inner classes/short note on enumerations?
- 4.Define interface/create an interface with atleast one method/ how can we achieve multiple inheritance by using interfaces?
- 5.write about byte stream class/how to read a console input?
- 6.Short note on serialization, autoboxing, unboxing?

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UNIT-3

- 1.Define exception/types of exceptions(checked,unchecked)/benefits handling/ explain 5 keywords of java that are important for exception handling?
- 2.Difference between error and exception/difference between thread and process?
- 3.What is thread/how to create a thread with example/
- how to assign properties to threads with example program?
- 4.Java builtin exceptions/custom or userdefined exceptions with example programs?
- 5. How to achieve synchronization among threads? Explain with suitable code?
- 6.Multiple catch block for a nested try block with example program?
- 7.Write a program to implement producer and consumer problem by using multithreading or inter thread communication?
- 8.Explain random access fileoperations with example programs?

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LITE-S







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- 1.What is the use of Use of iterator class/iterator methods/use of string tokenizer class with example?
- 2.Write a program to copy contents of file1 to file2, read the name of files as command line arguments?
- 3.Methods of deque enable it to be used as a stack/map interfaces in java?
- 4.Compare list,array,arraylist/functions of stack class/purpose of bitset class?
- 5.What is result set/How vector is different from an array?
- 6. Types of database drivers of JDBC/note on foreach alternative in java?
- 7. Note on collections in java/hierarchay of collections framework?





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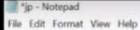
UNTT-5

- 1.Define applwt/advantages of applet/hierarchy, life cycle of applet?
- 2. Write an applet to display the mouse cursor position in that applet window?
- 3. Java AWT/AWT hierarchy/various AWT containers with examples/AWT components?
- 4. What is an adapter class/what is their role in event handling?
- 5.Define event/Note on deligation event model and program to handle mouse events?
- 6.Role of event listeners in event handling/list the java event listeners?
- 7. Java swings/hierarchy of swing components/components, containers in swing/ subclasses of button class of swing package/why swing components are prefered over AWT components?
- 8.Use of layout managers/List various layout managers in java/Differences between grid and border layout managers/Use of gridbag layout



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- 1. What is an Exception in Java?
- 2. Explain Java Exception Hierarchy?
- 3. What is the difference between Checked and Unchecked Exceptions in Java?
- 4. Explain the following this example?a) try-catchb) throwsc) throwsd) finally
- 5. How to write custom(user defined) exceptions in Java explain with example?
- 6. Define thread? explain about multithreading?
- 7. Explain life cycle of thread with neat diagram?
- 8. Expalin the following with examples?
 a)start() b)join() c)sleep()
- 9. Briefly explain methods of Thread class?
- 10. Explain synchronization in multithreading?
- 11. Explain about priority of a Thread?

unit-4

- 1. Define Collection ? Explain heirarchy of Collection Framework?
- 2. Explain iteraotr inferface and its methods?
- 3. Explain the following with example programs?

 a) ArrayList b)LinkedList c)HashSet d)TreeSet
- 4. Define Map? Explain Map.Entry interface methods?
- 5. Explain the following with examples? a) HashMap b) LinkedHashMap c) TreeMap
- 6. Explain the following with example?a) Stack b) Vector c) Dictionary d) HashTable
- 7. Explain the following the classes with examples?
 a)StringTokenizerb) c)Scanner d)Random

- 1. Explain briefly AWT components hierarchy ?
- 2. Expalin about MVC architecture with neat diagram?
- 3. Explain briefly Swing components hierarchy ?
- 4. Write a java program to create calculator in java?
- 6. Explain the following with example?
 a) JMenuBar b) JMenu c) JMenuItem
- 7. Expalin about Layout Managers in java?
- 8. Explain delegation event model (Event handling)?
- 9. Define Applet ? Explain Applet life cycle methods?
- 10. Explain Gaphics class and its methods?
- 11. How to pass parameters in Applet? Explain.

- 12. Explain about features of java?
- 13. Explain oops (class, object, inheritance, polymorphism, abstraction, encapsulation and polymorphism) concepts in java?
- 14. explain about control statements in java?
- 15. Briefly discuss following terms?
 a. jvm b.jre c.jdk
- 16. Write the syntax of a java method and explain with an example?
- 17. Define inheritance? Explain about different types of inheritances with examples?
- 18. Explain method overloading(static polymorphism) with example?
- 19. Explain method overriding with an example?
- 20. Expalin run time polymorphism(dynamic method dispatch) with an example?
- 21. Define constructor and explain constructor overloading with an example?
- 22. Briefly discuss following key words with example? a.static b.final c.this
- 23. define abstract class and explain with an example?
- 24. Briefly discuss about Object class and its methods in java?
- 25. Define string? explain following classes with example? a. StringBuffer b.StringBuilder
- 26. Explain about access modifiers in java? (public, private, default, protected)

- 27. Define package? write the procedure for creating a user defined package?
- 28. Explain the importance of class path in packages?
- 29. Define interface? Explain with an example?
- 30. Expalin multiple inheritance with an example?
- 31. Explain about hybrid inheritance with an example?
- 32. Expalin Byte stream classes with example?
- 33. Explain Character stream classes with example?
- 34. Explain about File class in java?
- 35. Explain about RandomAccessFile class with example?
- 36. Expalin Serialization and Deserialization in java with example?
- 37. Explain briefly about java generics?
- 38. Explain Enum class with example?
- 39. Explain autoboxing and unboxing with examples?