

- 65) Explain about binarySearch() method available in Collections and Arrays classes?
- 66) What is the difference b/w index and insertion point?
- 67) What is load-factor?

### The Most common FAQs on String, StringBuffer and StringBuilder

- 1) Difference b/w String and StringBuffer?
- 2) What is the meaning of immutability and mutability?
- 3) Why String objects are immutable where as StringBuffer objects are mutable?
- 4) With respect to equals() what is the difference b/w String and StringBuffer?
- 5) What is StringConstantPool?
- 6) What are various advantages of StringConstantPool?
- 7) Is garbage collector allowed to destroy objects present in SCP?
- 8) When SCP objects will be destroyed?
- 9) Is it possible to create our own immutable class? give an example?
- 10) Declaring a variable as final, is it possible to make that object is immutable?
- 11) In java which classes are immutable?
- 12) What is the interning of the String?
- 13) What is trim?
- 14) Difference b/w StringBuffer and String?
- 15) What is the difference b/w StringBuffer and StringBuilder ?
- 16) What is StringBuilder?
- 17) When we should go for String, StringBuffer , StringBuilder?

### The Most common FAQs on Wrapper classes & AutoBoxing

- 1) Explain the purpose of wrapper classes
- 2) What are various wrapper class present in java?
- 3) How to create a wrapper class object?
- 4) What is the purpose of valueOf( )?
- 5) What purpose of xxxValue ( )?
- 6) How we can find primitive from wrapper object?
- 7) What is the purpose of pareXxx( )?
- 8) How to convert primitive to string?
- 9) How we can find hexadecimal string of primitive int value?
- 10) How to find equivalent binary string of primitive int value?
- 11) Explain the methods which are required to perform the following conversions
  - int • string
  - string • int
  - int • Integer
  - Integer • int
  - Integer • String

- String • Integer
- 12) What is Auto Boxing & Auto Un boxing?
  - 13) Explain the new features which are introduced in 1.5 Version?
  - 14) While performing Overloading method resolution in which order compiler will give the precedence in following Cases:
    - widening Vs van.arg
    - van.arg Vs AutoBoxing
    - AutoBoxing Vs widening
  - 15) Which objects are immutable in java?
  - 16) Which wrapper classes are direct child classes of Object?
  - 17) Which wrapper classes are not child classes of Object?
  - 18) Which wrapper classes are child classes of Number?

### The Most common FAQs on FILE I/O

- 1) How to create a file and directory programmatically?
- 2) Can you explain the impact of the line?
- 3) File f=new File("durga.txt");
- 4) What is the difference b/w FileReader and BufferedReader?
- 5) Which is the most enhanced Reader?
- 6) What is the limitation of FileWriter?
- 7) What is the difference b/w FileWriter and BufferedWriter?
- 8) What is the difference b/w BufferedWriter and PrintWriter?
- 9) What is the most enhanced Writer?
- 10) Explain about flush() method?
- 11) How we can list out the files and directories present in a specified directory?
- 12) What is the difference b/w PrintWriter and JspWriter?
- 13) What is the difference b/w write(100) and print(100) of PrintWriter class?
- 14) What is the difference b/w Readers - Writers and input output streams?

### The Most common FAQs on Language Fundamentals

- 1) What is identifier?
- 2) What are various rules followed to define java identifier?
- 3) What are various reserved words available in java?
- 4) By using which keywords we can implement Exception Handling?
- 5) What are various modifiers in java?
- 6) Which keyword introduced in JDK-1.2 version?
- 7) Which keyword introduced in JDK-1.4 version?
- 8) Which keyword introduced in JDK-1.5 version?
- 9) Explain about assert keyword?
- 10) Explain about enum keyword?
- 11) What are various primitive data types available in Java?  
Explain their sizes and ranges?

- 12) What is the size of char?
- 13) Why Java's char size is 2 bytes where as C & C++ char size is only 1byte?
- 14) What is Literal?
- 15) What are the difference between Arrays & collections?
- 16) In how many ways we can declare one dimensional & 2 dimensional arrays & How we can construct?
- 17) What is anonymous Array & explain the process of creation?
- 18) How many types of variables there?
- 19) What is the difference between static & instance variables?
- 20) What is local variable?
- 21) In which memory areas instance, static & local variables will be stored?
- 22) What modifiers are applicable for local variables?
- 23) What are var-arg methods & Explain its advantage?
- 24) How we can declare Var-Arc Methods ?
- 25) What are various new concepts Introduced in JDK-1.5 version?
- 26) If normal method &Var-Arc method both are available then which method will get high priority?
- 27) Explain signature of main() method?
- 28) If a class doesnotcontaine main() method,is it compile time error (or) runtime exception?
- 29) Explain about System.out.println()?
- 30) Is it possible to overload main()method?
- 31) Is it possible to override main()method?
- 32) When ever we are trying to execute childclass& if child class does not contain main() method, is parent class main() method will be executed?
- 33) Explain java coding standards for the fallowing?
  - Classes
  - Interfaces
  - Methods
  - variables
  - constants.
- 34) Explain about java bean coding standards?

### The Most common FAQs on Java Modifiers

- 1) For the top level classes which modifiers are allowed?
- 2) Is it possible to declare a class as static, private, protected?
- 3) What are extra modifiers applicable inner classes when compared with outer classes?
- 4) What is a final class?
- 5) Explain the differences between final, finally& finalize?
- 6) Is every method present in final class is final?
- 7) Is every variable present inside a final class is final?

- 8) What is abstract class?
- 9) What is abstract method?
- 10) If a class contain at least one abstract method is it required to declared that class compulsory abstract?
- 11) If a class doesn't contain any abstract method is it possible to declare that class as abstract?
- 12) Whenever we are extending abstract class is it compulsory required to provide implementation for every abstract method of that class?
- 13) Is final class can contain abstract method?
- 14) Is abstract class can contain final methods?
- 15) Can u give example for abstract class which doesn't contain any abstract method?
- 16) Which of the following modifiers combinations are legal for methods?
- public – static
  - static – abstract
  - abstract - final
  - final - synchronized
  - synchronized - native
  - native - abstract
- 17) Which of the following modifiers combinations are legal for classes?
- public - final
  - final - abstract
  - abstract - strictfp
  - strictfp - public
- 18) What is the difference between abstract class & interface?
- 19) What is strictfp modifier?
- 20) Is it possible to declare a variable with strictfp?
- 21) abstract -strictfp combination, is legal for classes or methods?
- 22) Is it possible to override a native method?
- 23) What is the difference between instance & static variable?
- 24) What is the difference between general static variable and final static variable?
- 25) Which modifiers are applicable for local variable?
- 26) When the static variables will be created?
- 27) What are various memory locations of instance variables, local variables and static variables?
- 28) Is it possible to overload a main method?
- 29) Is it possible to override static methods?
- 30) What is native keyword & where it is applicable?
- 31) What is the main advantage of the native keyword?
- 32) If we are using native modifier how we can maintain platform independent nature?
- 33) How we can declare a native method?
- 34) Is abstract method can contain body?
- 35) What is synchronized keyword where we can apply?

- 36) What are advantages & disadvantages of synchronized keyword?
- 37) Which modifiers are the most dangerous in java?
- 38) What is serialization & Explain how its process?
- 39) What is deserialization?
- 40) By using which classes we can achieve Serialization & deserialization?
- 41) What is Serializable interface & explain its methods?
- 42) What is a marker interface & give an example
- 43) Without having any method in Serializable interface, how we can get serializable ability for our object?
- 44) What is the purpose of transient key word & explain its advantages?
- 45) Is it possible to serialize every java object?
- 46) Is it possible to declare a method a class with transient?
- 47) If we declare static variable with transient is there any impact?
- 48) What is the impact of declaring final variable a transient?
- 49) What is volatile variable?
- 50) Is it possible to declare a class or method with volatile?
- 51) What is the advantage & disadvantage of volatile modifier?

### The Most common FAQs on Regular Expressions

- 1) What is Regular Expression? Explain its application areas ?
- 2) What is pattern object?
- 3) What is Matcher object?
- 4) Write a Regular Expression for email validation?
- 5) Write a Regular Expression for mobile number validation?
- 6) Write a Regular Expression to represent identifier of java language?
- 7) Write a code to extract mail-id, mobile numbers, present in all files placed in a folder?
- 8) What is the purpose of split( ) and explain its usage?
- 9) split( ) method available in which class?
- 10) What is StringTokenizer and Explain with example Tokenization process?
- 11) What is the default pattern in StringTokenizer?
- 12) Explain the areas where you used StringTokenizer, Regular Expressions in your Project?
- 13) What is the Difference between Pattern class split( ) and String class split( )?

### The Most common FAQs on Inner Classes

- 1) What is inner class and when we should go for inner classes?
- 2) How many types of inner classes are present?
- 3) What is method local inner class?
- 4) What is anonymous inner class?

- 5) With out having name of class how we can create an object and utilize the functionality of Anonymous inner class?
- 6) What is difference between anonymous inner class and general class?
- 7) What is difference between normal inner class and static nested class?
- 8) What is static nested class? Why the term nested instead of inner in static nested class?
- 9) Inside inner class is it possible to declare main ()?

### The Most common FAQs on Garbage collection

- 1) Explain about Garbage Collector?
- 2) Explain about finalize() method?
- 3) Explain System.gc ()?
- 4) When garbage collector calls finalize() method?
- 5) finalize() method is available in which class?
- 6) Explain purpose of Runtime class?
- 7) How we can create a Runtime object?
- 8) What is singleton class?
- 9) Is it possible to create our own singleton class and Explain with an example?
- 10) What is finalize () method?
- 11) Is it possible to call finalize () method explicitly by the programmer?
- 12) What are various ways to call Garbage Collector explicitly and explain recommended way?
- 13) What is the algorithm followed by garbage collector?
- 14) What are various ways to make an object eligible for GC?
- 15) How many times garbage collector calls finalize method on the given object?
- 16) Explain island of isolation?
- 17) While executing finalize() method if exception raise what will happen?

### The Most common FAQs on enum

- 1) Explain about enum concept?
- 2) What is the purpose of enum?
- 3) Explain about java.lang.enum class?
- 4) What is the difference between enum , Enumeration and Enum?
- 5) What is the purpose of values( )?
- 6) What is ordinal value?
- 7) Is it possible to define main( ) method inside enum?
- 8) Is it possible to invoke enum directly from the command prompt?
- 9) Explain about enum constants?
- 10) Is Inheritance concept applicable for enum?
- 11) Is it possible to declare constructors inside enum?
- 12) Is it possible to create an object of enum directly?

- 13) What is the need of having constructors inside enum as we cannot create enum objects explicitly?
- 14) At what time enum constants will be created?
- 15) Is it possible enum implements interface?
- 16) Explain new features introduced in 1.5 Version?

### The Most common FAQs on Assertions

- 1) In your previous project how you performed Debugging?
- 2) What are various problems that occurs when we are using SOPs for debugging purpose ?
- 3) What is purpose of assertions?
- 4) When compared with SOP's what is the advantage of 'assent' statement
- 5) In which environment can use assertions ?
- 6) In which java version Assertion concept has been introduced?
- 7) What are the new features introduced in JDK 1.4 version?
- 8) Explain types of 'assent' statements
- 9) How we can enable assertions?
- 10) What are various tags we can use w.r.t assertions?
- 11) How to compile a Java program according to a particular version?
- 12) Explain proper and improper use of Assertions.
- 13) Explain about Assertion Error?

