**1. What is a cookie ?**[show Answer](javascript:showAnswer(%22answer1%22);)

Ans. A cookie is a small piece of text stored on a user's computer by the browser for a specific domain. Commonly used for authentication, storing site preferences, and server session identification.

**Q2. Can we reduce the visibility of the overridden method ?**[show Answer](javascript:showAnswer(%22answer2%22);)

Ans. No

**Q3. What are different types of inner classes ?**[show Answer](javascript:showAnswer(%22answer3%22);)

Ans. Simple Inner Class, Local Inner Class, Anonymous Inner Class , Static Nested Inner Class.

**Q4. Difference between TreeMap and HashMap ?**[show Answer](javascript:showAnswer(%22answer4%22);)

Ans. They are different the way they are stored in memory. TreeMap stores the Keys in order whereas HashMap stores the key value pairs randomly.

**Q5. What is the difference between List, Set and Map ?**[show Answer](javascript:showAnswer(%22answer5%22);)

**Q6. Difference between Public, Private, Default and Protected ?**[show Answer](javascript:showAnswer(%22answer6%22);)

Ans. Private - Not accessible outside object scope.   
Public - Accessible from anywhere.   
Default - Accessible from anywhere within same package.  
Protected - Accessible from object and the sub class objects.

**Q7. What is servlet Chaining ?**[show Answer](javascript:showAnswer(%22answer7%22);)

Ans. Multiple servlets serving the request in chain.

**Q8. What are the Wrapper classes available for primitive types ?**[show Answer](javascript:showAnswer(%22answer8%22);)

**Q9. What are concepts introduced with Java 5 ?**[show Answer](javascript:showAnswer(%22answer9%22);)

Ans. Generics , Enums , Autoboxing , Annotations and Static Import.

**Q10. Does Constructor creates the object ?**[show Answer](javascript:showAnswer(%22answer10%22);)

Ans. New operator in Java creates objects. Constructor is the later step in object creation. Constructor's job is to initialize the members after the object has reserved memory for itself.

**Q11. Can static method access instance variables ?**[show Answer](javascript:showAnswer(%22answer11%22);)

Ans. Though Static methods cannot access the instance variables directly, They can access them using instance handler.

**Q12. Does Java support Multiple Inheritance ?**[show Answer](javascript:showAnswer(%22answer12%22);)

Ans. Interfaces does't facilitate inheritance and hence implementation of multiple interfaces doesn't make multiple inheritance. Java doesn't support multiple inheritance.

**Q13. Difference between == and .equals() ?**[show Answer](javascript:showAnswer(%22answer13%22);)

**Q14. Difference between Checked and Unchecked exceptions ?**[show Answer](javascript:showAnswer(%22answer14%22);)

**Q15. What is a Final Variable ?**[show Answer](javascript:showAnswer(%22answer15%22);)

Ans. Final variable is a variable constant that cannot be changed after initialization.

**Q16. Which class does not override the equals() and hashCode() methods, inheriting them directly from class Object?**[show Answer](javascript:showAnswer(%22answer16%22);)

Ans. java.lang.StringBuffer.

**Q17. What is a final method ?**[show Answer](javascript:showAnswer(%22answer17%22);)

Ans. Its a method which cannot be overridden. Compiler throws an error if we try to override a method which has been declared final in the parent class.

**Q18. Which interface does java.util.Hashtable implement?**[show Answer](javascript:showAnswer(%22answer18%22);)

Ans. Java.util.Map

**Q19. What is an Iterator?**[show Answer](javascript:showAnswer(%22answer19%22);)

Ans. Iterator is an interface that provides methods to iterate over any Collection.

**Q20. Which interface provides the capability to store objects using a key-value pair?**[show Answer](javascript:showAnswer(%22answer20%22);)

Ans. java.util.map

**Q21. Difference between HashMap and Hashtable?**[show Answer](javascript:showAnswer(%22answer21%22);)

Ans. Hashtable is synchronized whereas HashMap is not.  
  
HashMap allows null values whereas Hashtable doesn’t allow null values.

**Q22. Does java allow overriding static methods ?**[show Answer](javascript:showAnswer(%22answer22%22);)

Ans. No. Static methods belong to the class and not the objects. They belong to the class and hence doesn't fit properly for the polymorphic behavior.

**Q23. When are static variables loaded in memory ?**[show Answer](javascript:showAnswer(%22answer23%22);)

Ans. They are loaded at runtime when the respective Class is loaded.

**Q24. Can we serialize static variables ?**[show Answer](javascript:showAnswer(%22answer24%22);)

Ans. No. Only Object and its members are serialized. Static variables are shared variables and doesn't correspond to a specific object.

**Q25. What will this code print ?  
  
String a = new String ("TEST");  
String b = new String ("TEST");  
  
if(a == b) {   
System.out.println ("TRUE");   
} else {  
System.out.println ("FALSE");   
}**[show Answer](javascript:showAnswer(%22answer25%22);)

Ans. FALSE.   
  
== operator compares object references, a and b are references to two different objects, hence the FALSE. .equals method is used to compare string object content.

**Q26. There are two objects a and b with same hashcode. I am inserting these two objects inside a hashmap.  
  
hMap.put(a,a);  
hMap.put(b,b);  
  
where a.hashCode()==b.hashCode()  
  
Now tell me how many objects will be there inside the hashmap?**[show Answer](javascript:showAnswer(%22answer26%22);)

**Q27. Difference between long.Class and Long.TYPE ?**[show Answer](javascript:showAnswer(%22answer27%22);)

**Q28. Does Java provides default copy constructor ?**[show Answer](javascript:showAnswer(%22answer28%22);)

**Q29. What are the common uses of "this" keyword in java ?**[show Answer](javascript:showAnswer(%22answer29%22);)

**Q30. What are the difference between Threads and Processes ?**[show Answer](javascript:showAnswer(%22answer30%22);)

**Q31. How can we run a java program without making any object?**[show Answer](javascript:showAnswer(%22answer31%22);)

**Q32. Explain multithreading in Java ?**[show Answer](javascript:showAnswer(%22answer32%22);)

**Q33. Can constructors be synchronized in Java ?**[show Answer](javascript:showAnswer(%22answer33%22);)

**Q34. can we create a null as a key for a map collection ?**[show Answer](javascript:showAnswer(%22answer34%22);)

**Q35. What is the use of hashcode in Java ?**[show Answer](javascript:showAnswer(%22answer35%22);)

**Q36. Why java doesn't support multiple Inheritence ?**[show Answer](javascript:showAnswer(%22answer36%22);)

**Q37. Why threads block or enters to waiting state on I/O?**[show Answer](javascript:showAnswer(%22answer37%22);)

**Q38. What are transient variables in java?**[show Answer](javascript:showAnswer(%22answer38%22);)

**Q39. What is the difference between yield() and sleep()?**[show Answer](javascript:showAnswer(%22answer39%22);)

**Q40. What are wrapper classes ?**[show Answer](javascript:showAnswer(%22answer40%22);)

**Q41. What is the difference between time slicing and preemptive scheduling ?**[show Answer](javascript:showAnswer(%22answer41%22);)

**Q42. What is the initial state of a thread when it is created and started?**[show Answer](javascript:showAnswer(%22answer42%22);)

**Q43. What one should take care of, while serializing the object?**[show Answer](javascript:showAnswer(%22answer43%22);)

**Q44. What is a String Pool ?**[show Answer](javascript:showAnswer(%22answer44%22);)

**Q45. Why is String immutable in Java ?**[show Answer](javascript:showAnswer(%22answer45%22);)

**Q46. what is the use of cookie and session ? and What is the difference between them ?**[show Answer](javascript:showAnswer(%22answer46%22);)

**Q47. Which are the different segments of memory ?**[show Answer](javascript:showAnswer(%22answer47%22);)

**Q48. Which memory segment loads the java code ?**[show Answer](javascript:showAnswer(%22answer48%22);)

**Q49. which containers use a border Layout as their default layout ?**[show Answer](javascript:showAnswer(%22answer49%22);)

**Q50. Can a lock be acquired on a class ?**[show Answer](javascript:showAnswer(%22answer50%22);)

**Q51. What state does a thread enter when it terminates its processing?**[show Answer](javascript:showAnswer(%22answer51%22);)

**Q52. How many bits are used to represent Unicode, ASCII, UTF-16, and UTF-8 characters?**[show Answer](javascript:showAnswer(%22answer52%22);)

**Q53. Does garbage collection guarantee that a program will not run out of memory?**[show Answer](javascript:showAnswer(%22answer53%22);)

**Q54. What is an object's lock and which object's have locks?**[show Answer](javascript:showAnswer(%22answer54%22);)

**Q55. What is casting?**[show Answer](javascript:showAnswer(%22answer55%22);)

**Q56. What restrictions are placed on method overriding?**[show Answer](javascript:showAnswer(%22answer56%22);)

**Q57. How does a try statement determine which catch clause should be used to handle an exception?**[show Answer](javascript:showAnswer(%22answer57%22);)

**Q58. Describe what happens when an object is created in Java ?**[show Answer](javascript:showAnswer(%22answer58%22);)

**Q59. What is the difference between StringBuffer and String class ?**[show Answer](javascript:showAnswer(%22answer59%22);)

**Q60. Describe, in general, how java's garbage collector works ?**[show Answer](javascript:showAnswer(%22answer60%22);)

**Q61. What is RMI ?**[show Answer](javascript:showAnswer(%22answer61%22);)

**Q62. What is JDBC? Describe the steps needed to execute a SQL query using JDBC.**[show Answer](javascript:showAnswer(%22answer62%22);)

**Q63. Are constructors inherited? Can a subclass call the parent's class constructor? When?**[show Answer](javascript:showAnswer(%22answer63%22);)

**Q64. What is JSON ?**[show Answer](javascript:showAnswer(%22answer64%22);)

**Q65. What is the role of JSON.stringify ?**[show Answer](javascript:showAnswer(%22answer65%22);)

**Q66. When were Enums introduced in Java ?**[show Answer](javascript:showAnswer(%22answer66%22);)

**Q67. Which function is used to convert a JSON text into an object ?**[show Answer](javascript:showAnswer(%22answer67%22);)

**Q68. Which data types are supported by JSON ?**[show Answer](javascript:showAnswer(%22answer68%22);)

**Q69. What are the benefits of JSON over XML ?**[show Answer](javascript:showAnswer(%22answer69%22);)

**Q70. What are the methods of Object Class ?**[show Answer](javascript:showAnswer(%22answer70%22);)

**Q71. Explain JMS ( Java Messaging Services ) ?**[show Answer](javascript:showAnswer(%22answer71%22);)

**Q72. Explain EJB (Enterprise Java Beans) ?**[show Answer](javascript:showAnswer(%22answer72%22);)

**Q73. Which MVC is struts2 based on ?**[show Answer](javascript:showAnswer(%22answer73%22);)

**Q74. What is an API ( Application Programming Interface ) ?**[show Answer](javascript:showAnswer(%22answer74%22);)

**Q75. What is URL?**[show Answer](javascript:showAnswer(%22answer75%22);)

**Q76. Explain features of struts2 ?**[show Answer](javascript:showAnswer(%22answer76%22);)

**Q77. What is HTTP ?**[show Answer](javascript:showAnswer(%22answer77%22);)

**Q78. what is content negotiation?**[show Answer](javascript:showAnswer(%22answer78%22);)

**Q79. Is tomcat an application or Web server ?**[show Answer](javascript:showAnswer(%22answer79%22);)

**Q80. Is Apache an application or Web server ?**[show Answer](javascript:showAnswer(%22answer80%22);)

**Q81. What are the default or implicitly assigned values for data types in java ?**[show Answer](javascript:showAnswer(%22answer81%22);)

**Q82. What is difference between Encapsulation And Abstraction?**[show Answer](javascript:showAnswer(%22answer82%22);)

**Q83. Can I import same package/class twice? Will the JVM load the package twice at runtime?**[show Answer](javascript:showAnswer(%22answer83%22);)

**Q84. Explain static blocks in Java ?**[show Answer](javascript:showAnswer(%22answer84%22);)

**Q85. Which access specifier can be used with Class ?**[show Answer](javascript:showAnswer(%22answer85%22);)

**Q86. Explain Annotations ?**[show Answer](javascript:showAnswer(%22answer86%22);)

**Q87. Give an Example of Annotations ?**[show Answer](javascript:showAnswer(%22answer87%22);)

**Q88. What are few of the Annotations pre defined by Java?**[show Answer](javascript:showAnswer(%22answer88%22);)

**Q89. What are meta Annotations ?**[show Answer](javascript:showAnswer(%22answer89%22);)

**Q90. Name few meta-annotations ?**[show Answer](javascript:showAnswer(%22answer90%22);)

**Q91. How to display and set the Class path in Unix ?**[show Answer](javascript:showAnswer(%22answer91%22);)

**Q92. Difference between Abstract and Concrete Class ?**[show Answer](javascript:showAnswer(%22answer92%22);)

**Q93. Difference between Overloading and Overriding ?**[show Answer](javascript:showAnswer(%22answer93%22);)

**Q94. Difference between Vector and ArrayList ?**[show Answer](javascript:showAnswer(%22answer94%22);)

**Q95. Different ways of implementing Threads in Java ?**[show Answer](javascript:showAnswer(%22answer95%22);)

**Q96. What is Volatile keyword used for ?**[show Answer](javascript:showAnswer(%22answer96%22);)

**Q97. What is Serialization ?**[show Answer](javascript:showAnswer(%22answer97%22);)

**Q98. What is the use of Transient Keyword ?**[show Answer](javascript:showAnswer(%22answer98%22);)

**Q99. What is a final variable ?**[show Answer](javascript:showAnswer(%22answer99%22);)

**Q100. What is a Final Method ?**[show Answer](javascript:showAnswer(%22answer100%22);)

**Q101. What is a Final Class ?**[show Answer](javascript:showAnswer(%22answer101%22);)

**Q102. What is an Immutable Object ?**[show Answer](javascript:showAnswer(%22answer102%22);)

**Q103. What is an immutable class ?**[show Answer](javascript:showAnswer(%22answer103%22);)

**Q104. How to implement an immutable class ?**[show Answer](javascript:showAnswer(%22answer104%22);)

**Q105. Does Declaring an object "final" makes it immutable ?**[show Answer](javascript:showAnswer(%22answer105%22);)

**Q106. Difference between object instantiation and construction ?**[show Answer](javascript:showAnswer(%22answer106%22);)

**Q107. Can we override static methods ? Why ?**[show Answer](javascript:showAnswer(%22answer107%22);)

**Q108. Can we access instance variables within static methods ?**[show Answer](javascript:showAnswer(%22answer108%22);)

**Q109. Can we reduce the visibility of the inherited or overridden method ?**[show Answer](javascript:showAnswer(%22answer109%22);)

**Q110. Give an Example of checked and unchecked exception ?**[show Answer](javascript:showAnswer(%22answer110%22);)

**Q111. Name few Java Exceptions ?**[show Answer](javascript:showAnswer(%22answer111%22);)

**Q112. Which of the following is tightly bound ? Inheritance or Composition ?**[show Answer](javascript:showAnswer(%22answer112%22);)

**Q113. How can we make sure that a code segment gets executed even in case of uncatched exceptions ?**[show Answer](javascript:showAnswer(%22answer113%22);)

**Q114. Explain the use of "Native" keyword ?**[show Answer](javascript:showAnswer(%22answer114%22);)

**Q115. What is "super" used for ?**[show Answer](javascript:showAnswer(%22answer115%22);)

**Q116. What is "this" keyword used for ?**[show Answer](javascript:showAnswer(%22answer116%22);)

**Q117. Difference between boolean and Boolean ?**[show Answer](javascript:showAnswer(%22answer117%22);)

**Q118. What is a finalize method ?**[show Answer](javascript:showAnswer(%22answer118%22);)

**Q119. What are Marker Interfaces ? Name few Java marker interfaces ?**[show Answer](javascript:showAnswer(%22answer119%22);)

**Q120. Is runnable a Marker interface ?**[show Answer](javascript:showAnswer(%22answer120%22);)

**Q121. Difference between Process and Thread ?**[show Answer](javascript:showAnswer(%22answer121%22);)

**Q122. What is a Deadlock ?**[show Answer](javascript:showAnswer(%22answer122%22);)

**Q123. Difference between Serialization and Deserialization ?**[show Answer](javascript:showAnswer(%22answer123%22);)

**Q124. Explain Autoboxing ?**[show Answer](javascript:showAnswer(%22answer124%22);)

**Q125. What is an Enum type ?**[show Answer](javascript:showAnswer(%22answer125%22);)

**Q126. What are Wrapper Classes ? What are Primitive Wrapper Classes ?**[show Answer](javascript:showAnswer(%22answer126%22);)

**Q127. What Design pattern Wrapper Classes implement ?**[show Answer](javascript:showAnswer(%22answer127%22);)

**Q128. What is "Import" used for ?**[show Answer](javascript:showAnswer(%22answer128%22);)

**Q129. Different types of memory used by JVM ?**[show Answer](javascript:showAnswer(%22answer129%22);)

**Q130. What is a class loader ? What are the different class loaders used by JVM ?**[show Answer](javascript:showAnswer(%22answer130%22);)

**Q131. Can we declare interface methods as private ?**[show Answer](javascript:showAnswer(%22answer131%22);)

**Q132. What is a Static import ?**[show Answer](javascript:showAnswer(%22answer132%22);)

**Q133. Difference between StringBuffer and StringBuilder ?**[show Answer](javascript:showAnswer(%22answer133%22);)

**Q134. Difference between Map and HashMap ?**[show Answer](javascript:showAnswer(%22answer134%22);)

**Q135. What is a Property class ?**[show Answer](javascript:showAnswer(%22answer135%22);)

Ans. The properties class is a subclass of Hashtable that can be read from or written to a stream.

**Q136. Explain the scenerios to choose between String , StringBuilder and StringBuffer ?**[show Answer](javascript:showAnswer(%22answer136%22);)

Ans. If the Object value will not change in a scenario use String Class because a String object is immutable.  
  
If the Object value can change and will only be modified from a single thread, use a StringBuilder because StringBuilder is unsynchronized(means faster).  
  
If the Object value may change, and can be modified by multiple threads, use a StringBuffer because StringBuffer is thread safe(synchronized).

**Q137. Explain java.lang.OutOfMemoryError ?**[show Answer](javascript:showAnswer(%22answer137%22);)

Ans. This Error is thrown when the Java Virtual Machine cannot allocate an object because it is out of memory, and no more memory could be made available by the garbage collector.

**Q138. Can we have multiple servlets in a web application and How can we do that ?**[show Answer](javascript:showAnswer(%22answer138%22);)

Ans. Yes by making entries in web.xml

**Q139. How can we manage Error Messages in the web application ?**[show Answer](javascript:showAnswer(%22answer139%22);)

Ans. Within message.properties file.

**Q140. Is JVM, a compiler or interpretor ?**[show Answer](javascript:showAnswer(%22answer140%22);)

Ans. Its an interpretor.

**Q141. Difference between implicit and explicit type casting ?**[show Answer](javascript:showAnswer(%22answer141%22);)

Ans. An explicit conversion is where you use some syntax to tell the program to do a conversion whereas in case of implicit type casting you need not provide the data type.

**Q142. Difference between loadClass and Class.forName ?**[show Answer](javascript:showAnswer(%22answer142%22);)

Ans. loadClass only loads the class but doesn't initialize the object whereas Class.forName initialize the object after loading it.

**Q143. Should we override finalize method ?**[show Answer](javascript:showAnswer(%22answer143%22);)

Ans. Finalize is used by Java for Garbage collection. It should not be done as we should leave the Garbage Collection to Java itself.

**Q144. What is assert keyword used for ?**[show Answer](javascript:showAnswer(%22answer144%22);)

**Q145. Difference between Factory and Abstract Factory Design Pattern ?**[show Answer](javascript:showAnswer(%22answer145%22);)

**Q146. Difference between Factory and Builder Design Pattern ?**[show Answer](javascript:showAnswer(%22answer146%22);)

**Q147. Difference between Proxy and Adapter ?**[show Answer](javascript:showAnswer(%22answer147%22);)

**Q148. Difference between Adapter and Facade ?**[show Answer](javascript:showAnswer(%22answer148%22);)

**Q149. Difference between Builder and Composite ?**[show Answer](javascript:showAnswer(%22answer149%22);)

**Q150. Example of Chain of Responsibility Design Pattern ?**[show Answer](javascript:showAnswer(%22answer150%22);)

**Q151. Example of Observer Design Pattern ?**[show Answer](javascript:showAnswer(%22answer151%22);)

**Q152. Difference between Factory and Strategy Design Pattern ?**[show Answer](javascript:showAnswer(%22answer152%22);)

**Q153. Shall we use abstract classes or Interfaces in Policy / Strategy Design Pattern ?**[show Answer](javascript:showAnswer(%22answer153%22);)

**Q154. Which kind of memory is used for storing object member variables and function local variables ?**[show Answer](javascript:showAnswer(%22answer154%22);)

**Q155. Why do member variables have default values whereas local variables don't have any default value ?**[show Answer](javascript:showAnswer(%22answer155%22);)

**Q156. What is a Default Constructor ?**[show Answer](javascript:showAnswer(%22answer156%22);)

**Q157. Will Compiler creates a default no argument constructor if we specify only multi argument constructor ?**[show Answer](javascript:showAnswer(%22answer157%22);)

**Q158. Can we overload constructors ?**[show Answer](javascript:showAnswer(%22answer158%22);)

**Q159. What will happen if we make the constructor private ?**[show Answer](javascript:showAnswer(%22answer159%22);)

**Q160. How can we create objects if we make the constructor private ?**[show Answer](javascript:showAnswer(%22answer160%22);)

**Q161. What will happen if we remove the static keyword from main method ?**[show Answer](javascript:showAnswer(%22answer161%22);)

**Q162. Why Java don't use pointers ?**[show Answer](javascript:showAnswer(%22answer162%22);)

**Q163. Can we use both "this" and "super" in a constructor ?**[show Answer](javascript:showAnswer(%22answer163%22);)

**Q164. Do we need to import java.lang.package ?**[show Answer](javascript:showAnswer(%22answer164%22);)

**Q165. Is it necessary that each try block to be followed by catch block ?**[show Answer](javascript:showAnswer(%22answer165%22);)

**Q166. Can finally block be used without catch ?**[show Answer](javascript:showAnswer(%22answer166%22);)

**Q167. What is exception propogation ?**[show Answer](javascript:showAnswer(%22answer167%22);)

**Q168. Difference between nested and inner classes ?**[show Answer](javascript:showAnswer(%22answer168%22);)

**Q169. What is a nested interface ?**[show Answer](javascript:showAnswer(%22answer169%22);)

**Q170. What is an Externalizable interface ?**[show Answer](javascript:showAnswer(%22answer170%22);)

**Q171. Difference between serializable and externalizable interface ?**[show Answer](javascript:showAnswer(%22answer171%22);)

**Q172. What is reflection ?**[show Answer](javascript:showAnswer(%22answer172%22);)

**Q173. Can we instantiate the object of derived class if parent constructor is protected ?**[show Answer](javascript:showAnswer(%22answer173%22);)

**Q174. Can we declare an abstract method private ?**[show Answer](javascript:showAnswer(%22answer174%22);)

**Q175. What are the design considerations while making a choice between using interface and abstract class ?**[show Answer](javascript:showAnswer(%22answer175%22);)

**Q176. What is a config Object?**[show Answer](javascript:showAnswer(%22answer176%22);)

**Q177. What is a pageContext Object?**[show Answer](javascript:showAnswer(%22answer177%22);)

**Q178. What is suspend() method used for ?**[show Answer](javascript:showAnswer(%22answer178%22);)

**Q179. Difference between suspend() and stop() ?**[show Answer](javascript:showAnswer(%22answer179%22);)

**Q180. What are the benefits of using Spring Framework ?**[show Answer](javascript:showAnswer(%22answer180%22);)

**Q181. what is the difference between collections class vs collections interface ?**[show Answer](javascript:showAnswer(%22answer181%22);)

**Q182. Will this code give error if i try to add two heterogeneous elements in the arraylist. ? and Why ?  
  
List list1 = new ArrayList<>();  
list1.add(5);  
list1.add("5");**[show Answer](javascript:showAnswer(%22answer182%22);)

**Q183. Difference between Java beans and Spring Beans ?**[show Answer](javascript:showAnswer(%22answer183%22);)

**Q184. What is the difference between System.console.write and System.out.println ?**[show Answer](javascript:showAnswer(%22answer184%22);)

**Q185. What are various types of Class loaders used by JVM ?**[show Answer](javascript:showAnswer(%22answer185%22);)

**Q186. How are classes loaded by JVM ?**[show Answer](javascript:showAnswer(%22answer186%22);)

**Q187. Difference between C++ and Java ?**[show Answer](javascript:showAnswer(%22answer187%22);)

**Q188. Difference between static vs. dynamic class loading?**[show Answer](javascript:showAnswer(%22answer188%22);)

**Q189. Tell something about BufferedWriter ? What are flush() and close() used for ?**[show Answer](javascript:showAnswer(%22answer189%22);)

**Q190. What is Scanner class used for ? when was it introduced in Java ?**[show Answer](javascript:showAnswer(%22answer190%22);)

**Q191. Why Struts 1 Classes are not Thread Safe whereas Struts 2 classes are thread safe ?**[show Answer](javascript:showAnswer(%22answer191%22);)

**Q192. What are some Java related technologies used for distributed computing ?**[show Answer](javascript:showAnswer(%22answer192%22);)

**Q193. Whats the purpose of marker interfaces ?**[show Answer](javascript:showAnswer(%22answer193%22);)

**Q194. What is the difference between final, finally and finalize() ?**[show Answer](javascript:showAnswer(%22answer194%22);)

**Q195. When do you get ClassCastException?**[show Answer](javascript:showAnswer(%22answer195%22);)

**Q196. Explain Thread States ?**[show Answer](javascript:showAnswer(%22answer196%22);)

**Q197. What are strong, soft, weak and phantom references in Java ?**[show Answer](javascript:showAnswer(%22answer197%22);)

**Q198. Difference between yield() and sleeping()?**[show Answer](javascript:showAnswer(%22answer198%22);)

**Q199. What is a daemon thread? Give an Example ?**[show Answer](javascript:showAnswer(%22answer199%22);)

**Q200. What is the difference between AWT and Swing?**[show Answer](javascript:showAnswer(%22answer200%22);)

**Q201. What is the order of method invocation in an applet?**[show Answer](javascript:showAnswer(%22answer201%22);)

**Q202. Name few tools for probing Java Memory Leaks ?**[show Answer](javascript:showAnswer(%22answer202%22);)

**Q203. Which memory areas does instance and static variables use ?**[show Answer](javascript:showAnswer(%22answer203%22);)

**Q204. What is J2EE? What are J2EE components and services?**[show Answer](javascript:showAnswer(%22answer204%22);)

**Q205. What are the components of J2EE ?**[show Answer](javascript:showAnswer(%22answer205%22);)

**Q206. What is XML ?**[show Answer](javascript:showAnswer(%22answer206%22);)

**Q207. Difference between SAX and DOM Parser ?**[show Answer](javascript:showAnswer(%22answer207%22);)

**Q208. What is DTD ?**[show Answer](javascript:showAnswer(%22answer208%22);)

**Q209. What is XSD ?**[show Answer](javascript:showAnswer(%22answer209%22);)

**Q210. What is JAXP ?**[show Answer](javascript:showAnswer(%22answer210%22);)

**Q211. What is JAXB ?**[show Answer](javascript:showAnswer(%22answer211%22);)

**Q212. What is marshalling ?**[show Answer](javascript:showAnswer(%22answer212%22);)

**Q213. What is unmarshalling ?**[show Answer](javascript:showAnswer(%22answer213%22);)

**Q214. Which load testing tools have you used ?**[show Answer](javascript:showAnswer(%22answer214%22);)

**Q215. What are LDAP servers used for ?**[show Answer](javascript:showAnswer(%22answer215%22);)

**Q216. What is the difference between comparable and comparator in java.util pkg?**[show Answer](javascript:showAnswer(%22answer216%22);)

**Q217. What are different modules of spring ?**[show Answer](javascript:showAnswer(%22answer217%22);)

**Q218. Explain Flow of Spring MVC ?**[show Answer](javascript:showAnswer(%22answer218%22);)

**Q219. What is Spring configuration file?**[show Answer](javascript:showAnswer(%22answer219%22);)

**Q220. Q: What is default scope of bean in Spring framework?**[show Answer](javascript:showAnswer(%22answer220%22);)

**Q221. What bean scopes does Spring support? Explain them.**[show Answer](javascript:showAnswer(%22answer221%22);)

**Q222. What is bean auto wiring?**[show Answer](javascript:showAnswer(%22answer222%22);)

**Q223. Difference between socket and servlet ?**[show Answer](javascript:showAnswer(%22answer223%22);)

**Q224. Difference Between this() and super() ?**[show Answer](javascript:showAnswer(%22answer224%22);)

**Q225. What are the phases of the JSP life cycle ?**[show Answer](javascript:showAnswer(%22answer225%22);)

**Q226. Difference between the jsp scriptlet tag and jsp declaration tag?**[show Answer](javascript:showAnswer(%22answer226%22);)

**Q227. What are JSP directives ? What are different types of directives ?**[show Answer](javascript:showAnswer(%22answer227%22);)

**Q228. What is Java bytecode ?**[show Answer](javascript:showAnswer(%22answer228%22);)

**Q229. What is a Listener ?**[show Answer](javascript:showAnswer(%22answer229%22);)

**Q230. What is MVC ?**[show Answer](javascript:showAnswer(%22answer230%22);)

**Q231. What is race condition ?**[show Answer](javascript:showAnswer(%22answer231%22);)

**Q232. What is unicode ?**[show Answer](javascript:showAnswer(%22answer232%22);)

**Q233. What is ThreadFactory ?**[show Answer](javascript:showAnswer(%22answer233%22);)

**Q234. What is PermGen or Permanent Generation ?**[show Answer](javascript:showAnswer(%22answer234%22);)

**Q235. What is metaspace ?**[show Answer](javascript:showAnswer(%22answer235%22);)

**Q236. What is the benefit of inner / nested classes ?**[show Answer](javascript:showAnswer(%22answer236%22);)

**Q237. Explain Static nested Classes ?**[show Answer](javascript:showAnswer(%22answer237%22);)

**Q238. Explain Inner Classes ?**[show Answer](javascript:showAnswer(%22answer238%22);)

**Q239. Explain Method Local Inner Classes ?**[show Answer](javascript:showAnswer(%22answer239%22);)

**Q240. Explain about anonymous inner classes ?**[show Answer](javascript:showAnswer(%22answer240%22);)

**Q241. What will happen if class implement two interface having common method?**[show Answer](javascript:showAnswer(%22answer241%22);)

**Q242. What is the advantage of using arrays over variables ?**[show Answer](javascript:showAnswer(%22answer242%22);)

**Q243. What are the disadvantages of using arrays ?**[show Answer](javascript:showAnswer(%22answer243%22);)

**Q244. Difference between Class#getInstance() and new operator ?**[show Answer](javascript:showAnswer(%22answer244%22);)

**Q245. Can we create an object if a Class doesn't have any constructor ( not even the default provided by constructor ) ?**[show Answer](javascript:showAnswer(%22answer245%22);)

**Q246. What is a cloneable interface and what all methods does it contain?**[show Answer](javascript:showAnswer(%22answer246%22);)

**Q247. When you will synchronize a piece of your code?**[show Answer](javascript:showAnswer(%22answer247%22);)

**Q248. Are there any global variables in Java, which can be accessed by other part of your program?**[show Answer](javascript:showAnswer(%22answer248%22);)

**Q249. What is an applet? What is the lifecycle of an applet?**[show Answer](javascript:showAnswer(%22answer249%22);)

**Q250. What is meant by controls and what are different types of controls in AWT / SWT?**[show Answer](javascript:showAnswer(%22answer250%22);)

**Q251. What is a stream and what are the types of Streams and classes of the Streams?**[show Answer](javascript:showAnswer(%22answer251%22);)

**Q252. What is session tracking and how do you track a user session in servlets?**[show Answer](javascript:showAnswer(%22answer252%22);)

**Q253. What is connection pooling?**[show Answer](javascript:showAnswer(%22answer253%22);)

**Q254. Advantage of Collection classes over Arrays ?**[show Answer](javascript:showAnswer(%22answer254%22);)

**Q255. What are the Disadvantages of using Collection Classes over Arrays ?**[show Answer](javascript:showAnswer(%22answer255%22);)

**Q256. Can we call constructor explicitly ?**[show Answer](javascript:showAnswer(%22answer256%22);)

**Q257. Does a class inherit the constructor of its super class?**[show Answer](javascript:showAnswer(%22answer257%22);)

**Q258. What is the difference between float and double?**[show Answer](javascript:showAnswer(%22answer258%22);)

**Q259. What is the difference between >> and >>>?**[show Answer](javascript:showAnswer(%22answer259%22);)

**Q260. What is the difference between System.out ,System.err and System.in?**[show Answer](javascript:showAnswer(%22answer260%22);)

**Q261. Is it possible to compile and run a Java program without writing main( ) method?**[show Answer](javascript:showAnswer(%22answer261%22);)

**Q262. What are different ways of object creation in Java ?**[show Answer](javascript:showAnswer(%22answer262%22);)

**Q263. What is Generalization and Specialization in terms of casting ?**[show Answer](javascript:showAnswer(%22answer263%22);)

**Q264. Can we call the garbage collector explicitly ?**[show Answer](javascript:showAnswer(%22answer264%22);)

**Q265. How does volatile affect code optimization by compiler?**[show Answer](javascript:showAnswer(%22answer265%22);)

**Q266. Do you think that Java should have had pointers ?**[show Answer](javascript:showAnswer(%22answer266%22);)

**Q267. How would you go about debugging a NullPointerException?**[show Answer](javascript:showAnswer(%22answer267%22);)

**Q268. How does Java differ from other programming languages you've worked with?**[show Answer](javascript:showAnswer(%22answer268%22);)

**Q269. Should good code be self-documenting, or is it the responsibility of the developer to document it?**[show Answer](javascript:showAnswer(%22answer269%22);)

**Q270. What are points to consider in terms of access modifier when we are overriding any method?**[show Answer](javascript:showAnswer(%22answer270%22);)

**Q271. what is covariant return type?**[show Answer](javascript:showAnswer(%22answer271%22);)

**Q272. How compiler handles the exceptions in overriding ?**[show Answer](javascript:showAnswer(%22answer272%22);)

**Q273. Why is Java considered Portable Language ?**[show Answer](javascript:showAnswer(%22answer273%22);)

**Q274. Tell something about history of Java ?**[show Answer](javascript:showAnswer(%22answer274%22);)

**Q275. How to find if JVM is 32 or 64 bit from Java program. ?**[show Answer](javascript:showAnswer(%22answer275%22);)

**Q276. Does every class needs to have one non parameterized constructor ?**[show Answer](javascript:showAnswer(%22answer276%22);)

**Q277. Difference between throw and throws ?**[show Answer](javascript:showAnswer(%22answer277%22);)

**Q278. Can we use "this" within static method ? Why ?**[show Answer](javascript:showAnswer(%22answer278%22);)

**Q279. Similarity and Difference between static block and static method ?**[show Answer](javascript:showAnswer(%22answer279%22);)

**Q280. What are the platforms supported by Java Programming Language?**[show Answer](javascript:showAnswer(%22answer280%22);)

**Q281. How Java provide high Performance ?**[show Answer](javascript:showAnswer(%22answer281%22);)

**Q282. What is IDE ? List few Java IDE ?**[show Answer](javascript:showAnswer(%22answer282%22);)

**Q283. What is an Object ?**[show Answer](javascript:showAnswer(%22answer283%22);)

**Q284. What is a Class ?**[show Answer](javascript:showAnswer(%22answer284%22);)

**Q285. According to Java Operator precedence, which operator is considered to be with highest precedence?**[show Answer](javascript:showAnswer(%22answer285%22);)

**Q286. What data type Variable can be used in a switch statement ?**[show Answer](javascript:showAnswer(%22answer286%22);)

**Q287. What are the sub classes of Exception class?**[show Answer](javascript:showAnswer(%22answer287%22);)

**Q288. How finally used under Exception Handling?**[show Answer](javascript:showAnswer(%22answer288%22);)

**Q289. What things should be kept in mind while creating your own exceptions in Java?**[show Answer](javascript:showAnswer(%22answer289%22);)

**Q290. What is Comparable Interface?**[show Answer](javascript:showAnswer(%22answer290%22);)

**Q291. Explain Set Interface?**[show Answer](javascript:showAnswer(%22answer291%22);)

**Q292. What is the difference between the Reader/Writer class hierarchy and the InputStream/OutputStream class hierarchy?**[show Answer](javascript:showAnswer(%22answer292%22);)

**Q293. What are use cases?**[show Answer](javascript:showAnswer(%22answer293%22);)

**Q294. Which Java operator is right associative?**[show Answer](javascript:showAnswer(%22answer294%22);)

**Q295. What is the difference between a break statement and a continue statement?**[show Answer](javascript:showAnswer(%22answer295%22);)

**Q296. What is the purpose of the System class?**[show Answer](javascript:showAnswer(%22answer296%22);)

**Q297. Variable of the boolean type is automatically initialized as?**[show Answer](javascript:showAnswer(%22answer297%22);)

**Q298. Can try statements be nested?**[show Answer](javascript:showAnswer(%22answer298%22);)

**Q299. What will happen if static modifier is removed from the signature of the main method?**[show Answer](javascript:showAnswer(%22answer299%22);)

**Q300. What is the Locale class?**[show Answer](javascript:showAnswer(%22answer300%22);)

**Q301. Define Network Programming?**[show Answer](javascript:showAnswer(%22answer301%22);)

**Q302. What are the advantages and Disadvantages of Sockets ?**[show Answer](javascript:showAnswer(%22answer302%22);)

**Q303. What environment variables do I need to set on my machine in order to be able to run Java programs?**[show Answer](javascript:showAnswer(%22answer303%22);)

**Q304. What is Externalizable interface?**[show Answer](javascript:showAnswer(%22answer304%22);)

**Q305. What is the difference between the size and capacity of a Vector?**[show Answer](javascript:showAnswer(%22answer305%22);)

**Q306. What is an enum or enumeration?**[show Answer](javascript:showAnswer(%22answer306%22);)

**Q307. What is constructor chaining and how is it achieved in Java?**[show Answer](javascript:showAnswer(%22answer307%22);)

**Q308. What is the best practice configuration usage for files - pom.xml or settings.xml ?**[show Answer](javascript:showAnswer(%22answer308%22);)

**Q309. Why Java provides default constructor ?**[show Answer](javascript:showAnswer(%22answer309%22);)

**Q310. In a case where there are no instance variables what does the default constructor initialize?**[show Answer](javascript:showAnswer(%22answer310%22);)

**Q311. How can I change the default location of the generated jar when I command "mvn package"?**[show Answer](javascript:showAnswer(%22answer311%22);)

**Q312. What is Maven's order of inheritance?**[show Answer](javascript:showAnswer(%22answer312%22);)

**Q313. What is a Mojo?**[show Answer](javascript:showAnswer(%22answer313%22);)

**Q314. How do I determine which POM contains missing transitive dependency?**[show Answer](javascript:showAnswer(%22answer314%22);)

**Q315. Difference between Encapsulation and Data Hiding ?**[show Answer](javascript:showAnswer(%22answer315%22);)

**Q316. Difference between Abstraction and Implementation hiding ?**[show Answer](javascript:showAnswer(%22answer316%22);)

**Q317. What are the features of encapsulation ?**[show Answer](javascript:showAnswer(%22answer317%22);)

**Q318. What are the examples of Abstraction in Java ?**[show Answer](javascript:showAnswer(%22answer318%22);)

**Q319. What are different ways to create String Object? Explain.**[show Answer](javascript:showAnswer(%22answer319%22);)

**Q320. Write a method to check if input String is Palindrome?**[show Answer](javascript:showAnswer(%22answer320%22);)

**Q321. Write a method that will remove given character from the String?**[show Answer](javascript:showAnswer(%22answer321%22);)

**Q322. Which String class methods are used to make string upper case or lower case?**[show Answer](javascript:showAnswer(%22answer322%22);)

**Q323. How to convert String to byte array and vice versa?**[show Answer](javascript:showAnswer(%22answer323%22);)

**Q324. Why Char array is preferred over String for storing password?**[show Answer](javascript:showAnswer(%22answer324%22);)

**Q325. Why String is popular HashMap key in Java?**[show Answer](javascript:showAnswer(%22answer325%22);)

**Q326. What ate the getter and setter methods ?**[show Answer](javascript:showAnswer(%22answer326%22);)

**Q327. public class a {  
public static void main(String args[]){  
final String s1="job";  
final String s2="seeker";  
String s3=s1.concat(s2);  
String s4="jobseeker";  
System.out.println(s3==s4); // Output 1  
System.out.println(s3.hashCode()==s4.hashCode()); Output 2  
}  
}  
  
What will be the Output 1 and Output 2 ?**[show Answer](javascript:showAnswer(%22answer327%22);)

**Q328. What is the use of HashCode in objects ?**[show Answer](javascript:showAnswer(%22answer328%22);)

**Q329. Difference between Compositions and Inheritance ?**[show Answer](javascript:showAnswer(%22answer329%22);)

**Q330. Will finally be called always if all code has been kept in try block ?**[show Answer](javascript:showAnswer(%22answer330%22);)

**Q331. Will the static block be executed in the following code ? Why ?  
  
class Test  
{  
static  
{  
System.out.println("Why I am not executing ");  
}  
public static final int param=20;  
}  
  
public class Demo   
{  
public static void main(String[] args)   
{  
System.out.println(Test.param);  
}  
}**[show Answer](javascript:showAnswer(%22answer331%22);)

**Q332. Will static block for Test Class execute in the following code ?   
  
class Test  
{  
static  
{  
System.out.println("Executing Static Block.");  
}  
public final int param=20;  
  
public int getParam(){  
return param;   
}  
}  
  
public class Demo   
{  
public static void main(String[] args)   
{  
System.out.println(new Test().param);  
}  
}**[show Answer](javascript:showAnswer(%22answer332%22);)

**Q333. What does String intern() method do?**[show Answer](javascript:showAnswer(%22answer333%22);)

**Q334. Will the following program display "Buggy Bread" ?  
  
class Test{  
static void display(){  
System.out.println("Buggy Bread");  
}  
}  
  
class Demo{  
public static void main(String... args){  
Test t = null;  
t.display();  
}  
}**[show Answer](javascript:showAnswer(%22answer334%22);)

**Q335. How substring() method of String class create memory leaks?**[show Answer](javascript:showAnswer(%22answer335%22);)

**Q336. Write a program to reverse a string iteratively and recursively ?**[show Answer](javascript:showAnswer(%22answer336%22);)

**Q337. If you have access to a function that returns a random integer from one to five, write another function which returns a random integer from one to seven.**[show Answer](javascript:showAnswer(%22answer337%22);)

**Q338. Write a method to convert binary to a number ?**[show Answer](javascript:showAnswer(%22answer338%22);)

**Q339. What will the following code print ?  
  
String s1 = "Buggy Bread";   
String s2 = "Buggy Bread";   
if(s1 == s2)   
System.out.println("equal 1");   
String n1 = new String("Buggy Bread");   
String n2 = new String("Buggy Bread");   
if(n1 == n2)   
System.out.println("equal 2");**[show Answer](javascript:showAnswer(%22answer339%22);)

**Q340. Difference between new operator and Class.forName().newInstance() ?**[show Answer](javascript:showAnswer(%22answer340%22);)

**Q341. What is Java bytecode ?**[show Answer](javascript:showAnswer(%22answer341%22);)

**Q342. How to find whether a given integer is odd or even without use of modules operator in java?**[show Answer](javascript:showAnswer(%22answer342%22);)

**Q343. Is JVM a overhead ?**[show Answer](javascript:showAnswer(%22answer343%22);)

**Q344. Can we use Ordered Set for performing Binary Search ?**[show Answer](javascript:showAnswer(%22answer344%22);)

**Q345. What is Byte Code ? Why Java's intermediary Code is called Byte Code ?**[show Answer](javascript:showAnswer(%22answer345%22);)

**Q346. Difference between ArrayList and LinkedList ?**[show Answer](javascript:showAnswer(%22answer346%22);)

**Q347. If you are given a choice to use either ArrayList and LinkedList, Which one would you use and Why ?**[show Answer](javascript:showAnswer(%22answer347%22);)

**Q348. What are the pre-requisite for the collection to perform Binary Search ?**[show Answer](javascript:showAnswer(%22answer348%22);)

**Q349. Can you provide some implementation of a Dictionary having large number of words ?**[show Answer](javascript:showAnswer(%22answer349%22);)

**Q350. Difference between PATH and CLASSPATH ?**[show Answer](javascript:showAnswer(%22answer350%22);)

**Q351. Name few access and non access Class Modifiers ?**[show Answer](javascript:showAnswer(%22answer351%22);)

**Q352. Which Java collection class can be used to maintain the entries in the order in which they were last accessed?**[show Answer](javascript:showAnswer(%22answer352%22);)

**Q353. Is it legal to initialize List like this ?  
  
  
LinkedList l=new LinkedList();**[show Answer](javascript:showAnswer(%22answer353%22);)

**Q354. Which of the following syntax is correct ?  
  
import static java.lang.System.\*;  
  
or   
  
static import java.lang.System.\*;**[show Answer](javascript:showAnswer(%22answer354%22);)

**Q355. What will be the output of following code ?  
  
public static void main(String[] args)   
{   
int x = 10;   
int y;   
if (x < 100) y = x / 0;   
if (x >= 100) y = x \* 0;   
System.out.println("The value of y is: " + y);   
}**[show Answer](javascript:showAnswer(%22answer355%22);)

**Q356. What will be the output of following Code ?  
  
class BuggyBread {   
public static void main(String[] args)  
{  
String s2 = "I am unique!";   
String s5 = "I am unique!";  
  
System.out.println(s2 == s5);   
}   
}**[show Answer](javascript:showAnswer(%22answer356%22);)

**Q357. What will be the output of following code ?  
  
class BuggyBread2 {   
  
private static int counter = 0;  
  
void BuggyBread2() {  
counter = 5;  
}  
  
BuggyBread2(int x){  
counter = x;  
}  
  
public static void main(String[] args) {  
BuggyBread2 bg = new BuggyBread2();  
System.out.println(counter);  
}   
}**[show Answer](javascript:showAnswer(%22answer357%22);)

**Q358. What will be the output of following code ?  
  
class BuggyBread1 {  
public String method() {  
return "Base Class - BuggyBread1";  
}  
}  
  
class BuggyBread2 extends BuggyBread1{   
  
private static int counter = 0;  
  
public String method(int x) {  
return "Derived Class - BuggyBread2";  
}  
  
public static void main(String[] args) {  
BuggyBread1 bg = new BuggyBread2();   
System.out.println(bg.method());  
}   
}**[show Answer](javascript:showAnswer(%22answer358%22);)

**Q359. What are RESTful Web Services ?**[show Answer](javascript:showAnswer(%22answer359%22);)

**Q360. Which markup languages can be used in restful web services ?**[show Answer](javascript:showAnswer(%22answer360%22);)

**Q361. Difference between Inner and Outer Join ?**[show Answer](javascript:showAnswer(%22answer361%22);)

**Q362. What is a Cursor ?**[show Answer](javascript:showAnswer(%22answer362%22);)

**Q363. What is database deadlock ? How can we avoid them?**[show Answer](javascript:showAnswer(%22answer363%22);)

**Q364. What are temp tables ?**[show Answer](javascript:showAnswer(%22answer364%22);)

**Q365. Why Web services use HTTP as the communication protocol ?**[show Answer](javascript:showAnswer(%22answer365%22);)

**Q366. what will be the output of this code ?  
  
public static void main(String[] args)  
{  
StringBuffer s1=new StringBuffer("Buggy");  
  
test(s1);  
  
System.out.println(s1);  
  
}   
  
private static void test(StringBuffer s){  
s.append("Bread");  
}**[show Answer](javascript:showAnswer(%22answer366%22);)

**Q367. what will be the output of this code ?  
  
public static void main(String[] args)  
{  
String s1=new String("Buggy");  
  
test(s1);  
  
System.out.println(s1);  
  
}   
  
private static void test(StringBuffer s){  
s.append("Bread");  
}**[show Answer](javascript:showAnswer(%22answer367%22);)

**Q368. what will be the output of this code ?  
  
public static void main(String[] args)  
{  
StringBuffer s1=new StringBuffer("Buggy");  
  
test(s1);  
  
System.out.println(s1);  
  
}   
  
private static void test(StringBuffer s){  
s=new StringBuffer("Bread");  
}**[show Answer](javascript:showAnswer(%22answer368%22);)

**Q369. what will be the output ?  
  
class Animal {  
public void eat() throws Exception {  
}  
}  
  
class Dog2 extends Animal {  
public void eat(){}  
public static void main(){  
Animal an = new Dog2();  
an.eat();  
}  
}**[show Answer](javascript:showAnswer(%22answer369%22);)

**Q370. What are advantages of using Servlets over CGI ?**[show Answer](javascript:showAnswer(%22answer370%22);)

**Q371. gfdddddddddddddddddddddddd**[show Answer](javascript:showAnswer(%22answer371%22);)

**Q372. Does SQL allow null values ? Can we use it within Where clause ?**[show Answer](javascript:showAnswer(%22answer372%22);)

**Q373. Can we add duplicate keys in a HashMap ? What will happen if we attempt to add duplicate values ?**[show Answer](javascript:showAnswer(%22answer373%22);)

**Q374. What is the use of HTTPSession in relation to http protocol ?**[show Answer](javascript:showAnswer(%22answer374%22);)

**Q375. Why using cookie to store session info is a better idea than just using session info in the request ?**[show Answer](javascript:showAnswer(%22answer375%22);)

**Q376. What are different types of cookies ?**[show Answer](javascript:showAnswer(%22answer376%22);)

**Q377. http protocol is by default ... ?**[show Answer](javascript:showAnswer(%22answer377%22);)

**Q378. Can finally block throw an exception ?**[show Answer](javascript:showAnswer(%22answer378%22);)

**Q379. Can we have try and catch blocks within finally ?**[show Answer](javascript:showAnswer(%22answer379%22);)

**Q380. Which of the following is a canonical path ?  
  
1. C:\directory\..\directory\file.txt  
2. C:\directory\subDirectory1\directory\file.txt  
3. \directory\file.txt**[show Answer](javascript:showAnswer(%22answer380%22);)

**Q381. What will the following code print when executed on Windows ?  
  
public static void main(String[] args){  
String parent = null;  
File file = new File("/file.txt");  
System.out.println(file.getPath());  
System.out.println(file.getAbsolutePath());  
try {  
System.out.println(file.getCanonicalPath());  
} catch (IOException e) {  
// TODO Auto-generated catch block  
e.printStackTrace();  
}  
}**[show Answer](javascript:showAnswer(%22answer381%22);)

**Q382. What will be the output of following code ?  
  
public static void main(String[] args){  
String name = null;  
File file = new File("/folder", name);  
System.out.print(file.exists());  
}**[show Answer](javascript:showAnswer(%22answer382%22);)

**Q383. What will be the output of following code ?  
  
public static void main(String[] args){  
String parent = null;  
File file = new File(parent, "myfile.txt");  
try {  
file.createNewFile();  
} catch (IOException e) {  
// TODO Auto-generated catch block  
e.printStackTrace();  
}  
}**[show Answer](javascript:showAnswer(%22answer383%22);)

**Q384. What will be the output of following code ?  
  
public static void main(String[] args){  
String child = null;  
File file = new File("/folder", child);  
try {  
file.createNewFile();  
} catch (IOException e) {  
// TODO Auto-generated catch block  
e.printStackTrace();  
}  
}**[show Answer](javascript:showAnswer(%22answer384%22);)

**Q385. What will be the output of following code, assuming that currently we are in c:\Project ?   
  
public static void main(String[] args){  
String child = null;  
File file = new File("../file.txt");  
System.out.println(file.getPath());  
System.out.println(file.getAbsolutePath());  
try {  
System.out.println(file.getCanonicalPath());  
} catch (IOException e) {  
// TODO Auto-generated catch block  
e.printStackTrace();  
}  
}**[show Answer](javascript:showAnswer(%22answer385%22);)

**Q386. Which is the abstract parent class of FileWriter ?**[show Answer](javascript:showAnswer(%22answer386%22);)

**Q387. Which class is used to read streams of characters from a file?**[show Answer](javascript:showAnswer(%22answer387%22);)

**Q388. Which class is used to read streams of raw bytes from a file?**[show Answer](javascript:showAnswer(%22answer388%22);)

**Q389. Which is the Parent class of FileInputStream ?**[show Answer](javascript:showAnswer(%22answer389%22);)

**Q390. Which of the following code is correct ?  
  
a.   
  
  
FileWriter fileWriter = new FileWriter("../file.txt");  
File file = new File(fileWriter );  
BufferedWriter bufferedOutputWriter = new BufferedWriter(fileWriter);  
  
b.   
  
BufferedWriter bufferedOutputWriter = new BufferedWriter("../file.txt");  
File file = new File(bufferedOutputWriter );  
FileWriter fileWriter = new FileWriter(file);  
  
  
c.   
  
File file = new File("../file.txt");  
FileWriter fileWriter = new FileWriter(file);  
BufferedWriter bufferedOutputWriter = new BufferedWriter(fileWriter);  
  
d.  
  
File file = new File("../file.txt");  
BufferedWriter bufferedOutputWriter = new BufferedWriter(file);   
FileWriter fileWriter = new FileWriter(bufferedOutputWriter );**[show Answer](javascript:showAnswer(%22answer390%22);)

**Q391. Which exception should be handled in the following code ?  
  
File file = new File("../file.txt");  
FileWriter fileWriter = new FileWriter(file);**[show Answer](javascript:showAnswer(%22answer391%22);)

**Q392. Which exceptions should be handled with the following code ?  
  
FileOutputStream fileOutputStream = new FileOutputStream(new File("newFile.txt"));**[show Answer](javascript:showAnswer(%22answer392%22);)

**Q393. Will this code compile fine ?  
  
ObjectOutputStream objectOutputStream = new ObjectOutputStream(new FileOutputStream(new File("newFile.txt")));**[show Answer](javascript:showAnswer(%22answer393%22);)

**Q394. What is the problem with this code ?  
  
class BuggyBread1 {  
  
private BuggyBread2 buggybread2;  
  
public static void main(String[] args){  
try {  
BuggyBread1 buggybread1 = new BuggyBread1();  
ObjectOutputStream objectOutputStream = new ObjectOutputStream(new FileOutputStream(new File("newFile.txt")));  
objectOutputStream.writeObject(buggybread1);  
} catch (Exception e) {  
// TODO Auto-generated catch block  
e.printStackTrace();  
}  
  
}  
}**[show Answer](javascript:showAnswer(%22answer394%22);)

**Q395. Will this code run fine if BuggyBread2 doesn't implement Serializable interface ?  
  
class BuggyBread1 implements Serializable{  
  
private BuggyBread2 buggybread2 = new BuggyBread2();  
  
public static void main(String[] args){  
try {  
BuggyBread1 buggybread1 = new BuggyBread1();  
ObjectOutputStream objectOutputStream = new ObjectOutputStream(new FileOutputStream(new File("newFile.txt")));  
objectOutputStream.writeObject(buggybread1);  
} catch (Exception e) {  
// TODO Auto-generated catch block  
e.printStackTrace();  
}  
  
}  
}**[show Answer](javascript:showAnswer(%22answer395%22);)

**Q396. Will this code work fine if BuggyBread2 doesn't implement Serializable ?  
  
class BuggyBread1 extends BuggyBread2 implements Serializable{  
  
private int x = 5;  
  
public static void main(String[] args){  
try {  
BuggyBread1 buggybread1 = new BuggyBread1();  
ObjectOutputStream objectOutputStream = new ObjectOutputStream(new FileOutputStream(new File("newFile.txt")));  
objectOutputStream.writeObject(buggybread1);  
} catch (Exception e) {  
// TODO Auto-generated catch block  
e.printStackTrace();  
}  
  
}  
}**[show Answer](javascript:showAnswer(%22answer396%22);)

**Q397. Can we compose the Parent Class object like this ?  
  
class BuggyBread1 extends BuggyBread2 {  
  
private BuggyBread2 buggybread2;   
  
public static void main(String[] args){  
buggybread2 = new BuggyBread2();  
}  
}**[show Answer](javascript:showAnswer(%22answer397%22);)

**Q398. Will this code Work ? If not , Why ?  
  
java.util.Calendar c = new java.util.Calendar();**[show Answer](javascript:showAnswer(%22answer398%22);)

**Q399. Is java.util.Date an abstract Class ? Is java.util.Calendar an abstract Class ?**[show Answer](javascript:showAnswer(%22answer399%22);)

**Q400. What will the following code print ?  
  
java.util.Calendar c = java.util.Calendar.getInstance();  
c.add(Calendar.MONTH, 5);  
System.out.println(c.getTime());**[show Answer](javascript:showAnswer(%22answer400%22);)

**Q401. Which of the following code is correct ?  
  
a. DateFormat df = DateFormat.getInstance();  
b. DateFormat df = DateFormat.getDateInstance();  
c. DateFormat df = DateFormat.getInstance(DateFormat.FULL);  
d. DateFormat df = DateFormat.getDateInstance(DateFormat.FULL);**[show Answer](javascript:showAnswer(%22answer401%22);)

**Q402. What is the use of parse method in DateFormat ?**[show Answer](javascript:showAnswer(%22answer402%22);)

**Q403. Which of the following is not a valid java.util.Locale initialization ?  
  
a. new Locale ()  
b. new Locale ( String language )  
c. new Locale ( String language , String country )**[show Answer](javascript:showAnswer(%22answer403%22);)

**Q404. Which of the following is not a valid NumberFormat initialization ?  
  
a. NumberFormat.getInstance()  
b. NumberFormat.getDateInstance()  
c. NumberFormat.getCurrencyInstance()  
d. NumberFormat.getNumberInstance()**[show Answer](javascript:showAnswer(%22answer404%22);)

**Q405. What will the following code print ?  
  
public static void main(String[] args){  
Integer i1 = new Integer("1");  
Integer i2 = new Integer("2");  
Integer i3 = Integer.valueOf("3");   
int i4 = i1 + i2 + i3;   
System.out.println(i4);   
}**[show Answer](javascript:showAnswer(%22answer405%22);)

**Q406. Which of the following syntax are correct ?  
  
a. LinkedList l=new LinkedList();  
b. List l=new LinkedList();  
c. LinkedList l=new LinkedList();  
d. List l = new LinkedList();**[show Answer](javascript:showAnswer(%22answer406%22);)

**Q407. Which of the following code is correct ?  
  
a. Date date = DateFormat.newInstance(DateFormat.LONG, Locale.US).parse(str);   
  
b. Date date = DateFormat.newInstance(DateFormat.LONG, Locale.US).format(str);   
  
c. Date date = DateFormat.getDateInstance(DateFormat.LONG, Locale.US).parse(str);**[show Answer](javascript:showAnswer(%22answer407%22);)

**Q408. What's wrong with this code ?  
  
public static void main(String[] args) {   
String regex = "(\\w+)\*";   
String s = "Java is a programming language.";   
  
Pattern pattern = Pattern.compile(regex);   
Matcher matcher = pattern.matcher(s);   
while (matcher.next()) {   
System.out.println("The e-mail id is: " + matcher.group());   
}  
}**[show Answer](javascript:showAnswer(%22answer408%22);)

**Q409. Which methods of the Pattern class have equivalent methods in the String class?**[show Answer](javascript:showAnswer(%22answer409%22);)

**Q410. Can we compare Integers by using equals() in Java ?**[show Answer](javascript:showAnswer(%22answer410%22);)

**Q411. What is comparator interface used for ?**[show Answer](javascript:showAnswer(%22answer411%22);)

**Q412. Which are the sorted collections ?**[show Answer](javascript:showAnswer(%22answer412%22);)

**Q413. What is rule regarding overriding equals and hasCode method ?**[show Answer](javascript:showAnswer(%22answer413%22);)

**Q414. What is the difference between Collection and Collections ?**[show Answer](javascript:showAnswer(%22answer414%22);)

**Q415. Is Java a statically typed or dynamically typed language ?**[show Answer](javascript:showAnswer(%22answer415%22);)

**Q416. What do you mean by "Java is a statically typed language" ?**[show Answer](javascript:showAnswer(%22answer416%22);)

**Q417. How can we reverse the order in the TreeMap ?**[show Answer](javascript:showAnswer(%22answer417%22);)

**Q418. TreeMap orders the elements on which field ?**[show Answer](javascript:showAnswer(%22answer418%22);)

**Q419. How TreeMap orders the elements if the Key is a String ?**[show Answer](javascript:showAnswer(%22answer419%22);)

**Q420. Can we add heterogeneous elements into TreeMap ?**[show Answer](javascript:showAnswer(%22answer420%22);)

**Q421. Will it create any problem if We add elements with key as user defined object into the TreeMap ?**[show Answer](javascript:showAnswer(%22answer421%22);)

**Q422. Can we null keys in TreeMap ?**[show Answer](javascript:showAnswer(%22answer422%22);)

**Q423. Can value be null in TreeMap ?**[show Answer](javascript:showAnswer(%22answer423%22);)

**Q424. Which interface TreeMap implements ?**[show Answer](javascript:showAnswer(%22answer424%22);)

**Q425. Do we have form beans in Struts 2 ?**[show Answer](javascript:showAnswer(%22answer425%22);)

**Q426. What is a ConcurrentHashMap ?**[show Answer](javascript:showAnswer(%22answer426%22);)

**Q427. What is the use of double checked locking in createInstance() of Singleton class?  
  
Double checked locking code:  
public static Singleton createInstance() {  
if(singleton == null){  
synchronized(Singleton.class) {   
if(singleton == null) {  
singleton = new Singleton();  
}  
}  
}  
return singleton;  
}  
  
  
Single checked locking code:  
public static Singleton createInstance() {  
synchronized(Singleton.class) {   
if(singleton == null) {  
singleton = new Singleton();  
}  
}  
return singleton;  
}  
  
What advantage does the first code offer compared to the second ?**[show Answer](javascript:showAnswer(%22answer427%22);)

**Q428. Why are Getter and Setter better than directly changing and retrieving fields ?**[show Answer](javascript:showAnswer(%22answer428%22);)

**Q429. Can we overload main method in Java ?**[show Answer](javascript:showAnswer(%22answer429%22);)

**Q430. What the Bean scopes provided by Spring ?**[show Answer](javascript:showAnswer(%22answer430%22);)

**Q431. What are the various Auto Wiring types in Spring ?**[show Answer](javascript:showAnswer(%22answer431%22);)

**Q432. Difference between first level and second level cache in hibernate ?**[show Answer](javascript:showAnswer(%22answer432%22);)

**Q433. What are the the methods to clear cache in Hibernate ?**[show Answer](javascript:showAnswer(%22answer433%22);)

**Q434. What are different types of second level cache ?**[show Answer](javascript:showAnswer(%22answer434%22);)

**Q435. Can we disable first level cache ? What should one do if we don't want an object to be cached ?**[show Answer](javascript:showAnswer(%22answer435%22);)

**Q436. How to configure second level cache in Hibernate ?**[show Answer](javascript:showAnswer(%22answer436%22);)

**Q437. What is Hibernate ?**[show Answer](javascript:showAnswer(%22answer437%22);)

**Q438. What are the advantages of Hibernate ?**[show Answer](javascript:showAnswer(%22answer438%22);)

**Q439. What are the different types of inheritance in Hibernate ?**[show Answer](javascript:showAnswer(%22answer439%22);)

**Q440. What is the purpose of dialect configured in Hibernate configuration file ?**[show Answer](javascript:showAnswer(%22answer440%22);)

**Q441. Please specify in what sequence the objects of following classes will be created ?  
  
Session , SessionFactory, Query , Configuration**[show Answer](javascript:showAnswer(%22answer441%22);)

**Q442. What are different types of associations in Hibernate ?**[show Answer](javascript:showAnswer(%22answer442%22);)

**Q443. What are the configuration files in Hibernate ?**[show Answer](javascript:showAnswer(%22answer443%22);)

**Q444. What are the contents of Hibernate configuration file ( hibernate.cfg.xml ) ?**[show Answer](javascript:showAnswer(%22answer444%22);)

**Q445. What are the Core Interfaces of Hibernate Framework ?**[show Answer](javascript:showAnswer(%22answer445%22);)

**Q446. What are collection types in Hibernate ?**[show Answer](javascript:showAnswer(%22answer446%22);)

**Q447. Difference between load and get ?**[show Answer](javascript:showAnswer(%22answer447%22);)

**Q448. What is lazy fetching in Hibernate ?**[show Answer](javascript:showAnswer(%22answer448%22);)

**Q449. Different types of Hibernate Instance States ?**[show Answer](javascript:showAnswer(%22answer449%22);)

**Q450. Is It Good to use Reflection in an application ? Why ?**[show Answer](javascript:showAnswer(%22answer450%22);)

**Q451. Why is Reflection slower ?**[show Answer](javascript:showAnswer(%22answer451%22);)

**Q452. When should we use prototype scope and singleton scope for beans ?**[show Answer](javascript:showAnswer(%22answer452%22);)

**Q453. Difference between Assert and Verify ?**[show Answer](javascript:showAnswer(%22answer453%22);)

**Q454. What is the difference between ArrayList and LinkedList ?**[show Answer](javascript:showAnswer(%22answer454%22);)

**Q455. Which class elements are not persisted ?**[show Answer](javascript:showAnswer(%22answer455%22);)

**Q456. Which annotations are used in Hibernate ?**[show Answer](javascript:showAnswer(%22answer456%22);)

**Q457. What entries we make in the hibernate config file if we are not using hbm files but Annotations ?**[show Answer](javascript:showAnswer(%22answer457%22);)

**Q458. How many SessionFactory and Session objects are created ?**[show Answer](javascript:showAnswer(%22answer458%22);)

**Q459. What is the way to rollback transaction if something goes wrong using hibernate API ?**[show Answer](javascript:showAnswer(%22answer459%22);)

**Q460. What is the use of hbm2ddl Configuration in Hibernate ?**[show Answer](javascript:showAnswer(%22answer460%22);)

**Q461. What is the difference between these 2 annotations ?  
  
@Entity  
  
@Entity ( name="EMPLOYEES" )**[show Answer](javascript:showAnswer(%22answer461%22);)

**Q462. "What is the difference between these 2 annotations ?  
  
@Entity ( name ="EMPLOYEES")  
  
@Entity   
@Table ( name=""EMPLOYEES"" )  
  
@Entity ( name="EMP")  
@Table ( name="EMPLPYEES" )**[show Answer](javascript:showAnswer(%22answer462%22);)

**Q463. What are the different ID generating strategies using @GeneratedValue annotation ?**[show Answer](javascript:showAnswer(%22answer463%22);)

**Q464. How to do Eager loading in Hibernate ?**[show Answer](javascript:showAnswer(%22answer464%22);)

**Q465. What is Lazy Initialization in Hibernate ?**[show Answer](javascript:showAnswer(%22answer465%22);)

**Q466. What are the ways to avoid LazyInitializationException ?**[show Answer](javascript:showAnswer(%22answer466%22);)

**Q467. What is cascade ?**[show Answer](javascript:showAnswer(%22answer467%22);)

**Q468. What are the different Cascade types ?**[show Answer](javascript:showAnswer(%22answer468%22);)

**Q469. Which type of associated Entities are Eagerly loaded by Default ?**[show Answer](javascript:showAnswer(%22answer469%22);)

**Q470. After which Hibernate version , related Entities are initialized lazily ?**[show Answer](javascript:showAnswer(%22answer470%22);)

**Q471. Can we declare Entity class as final ?**[show Answer](javascript:showAnswer(%22answer471%22);)

**Q472. What are the restrictions for the entity classes ?**[show Answer](javascript:showAnswer(%22answer472%22);)

**Q473. What is the difference between int[] x; and int x[]; ?**[show Answer](javascript:showAnswer(%22answer473%22);)

**Q474. What are the annotations used in Junit with Junit4 ?**[show Answer](javascript:showAnswer(%22answer474%22);)

**Q475. What is asynchronous I/O ?**[show Answer](javascript:showAnswer(%22answer475%22);)

**Q476. If there is a conflict between Base Class Method definition and Interface Default method definition, Which definition is Picked ?**[show Answer](javascript:showAnswer(%22answer476%22);)

**Q477. What are new features introduced with Java 8 ?**[show Answer](javascript:showAnswer(%22answer477%22);)

**Q478. Can we have a default method without a Body ?**[show Answer](javascript:showAnswer(%22answer478%22);)

**Q479. Does java allow implementation of multiple interfaces having Default methods with Same name and Signature ?**[show Answer](javascript:showAnswer(%22answer479%22);)

**Q480. What are Default Methods ?**[show Answer](javascript:showAnswer(%22answer480%22);)

**Q481. Can we have a default method definition in the interface without specifying the keyword "default" ?**[show Answer](javascript:showAnswer(%22answer481%22);)

**Q482. Can a class implement two Interfaces having default method with same name and signature ?  
  
public interface DefaultMethodInterface {  
default public void defaultMethod(){  
System.out.println("DefaultMethodInterface");   
}  
}  
  
public interface DefaultMethodInterface2 {   
default public void defaultMethod(){  
System.out.println("DefaultMethodInterface2");   
}  
}  
  
public class HelloJava8 implements DefaultMethodInterface,DefaultMethodInterface2 {  
public static void main(String[] args){   
DefaultMethodInterface defMethIn = new HelloJava8();  
defMethIn.defaultMethod();  
}  
}**[show Answer](javascript:showAnswer(%22answer482%22);)

**Q483. What If we make the method as abstract in another Interface ?  
  
public interface DefaultMethodInterface {  
default public void defaultMethod(){  
System.out.println("DefaultMethodInterface");   
}  
}  
  
public interface DefaultMethodInterface2 {   
public void defaultMethod(){  
System.out.println("DefaultMethodInterface2");   
}  
}  
  
public class HelloJava8 implements DefaultMethodInterface,DefaultMethodInterface2 {  
public static void main(String[] args){   
DefaultMethodInterface defMethIn = new HelloJava8();  
defMethIn.defaultMethod();  
}  
}**[show Answer](javascript:showAnswer(%22answer483%22);)

**Q484. What if we override the conflicting method in the Class ?  
  
public interface DefaultMethodInterface {  
default public void defaultMethod(){  
System.out.println("DefaultMethodInterface");   
}  
}  
  
public interface DefaultMethodInterface2 {   
default public void defaultMethod(){  
System.out.println("DefaultMethodInterface2");   
}  
}  
  
public class HelloJava8 implements DefaultMethodInterface,DefaultMethodInterface2 {  
public static void main(String[] args){   
DefaultMethodInterface defMethIn = new HelloJava8();  
defMethIn.defaultMethod();  
}  
  
public void defaultMethod(){  
System.out.println("HelloJava8");   
}  
}**[show Answer](javascript:showAnswer(%22answer484%22);)

**Q485. What will happen if there is a default method conflict as mentioned above and we have specified the same signature method in the base class instead of overriding in the existing class ?**[show Answer](javascript:showAnswer(%22answer485%22);)

**Q486. If a method definition has been specified in Class , its Base Class , and the interface which the class is implementing, Which definition will be picked if we try to access it using Interface Reference and Class object ?**[show Answer](javascript:showAnswer(%22answer486%22);)

**Q487. If a method definition has been specified in the Base Class and the interface which the class is implementing, Which definition will be picked if we try to access it using Interface Reference and Class object ?**[show Answer](javascript:showAnswer(%22answer487%22);)

**Q488. Can we use static method definitions in Interfaces ?**[show Answer](javascript:showAnswer(%22answer488%22);)

**Q489. Can we access Interface static method using Interface references ?**[show Answer](javascript:showAnswer(%22answer489%22);)

**Q490. Can we have default method with same name and signature in the derived Interface as the static method in base Interface and vice versa ?**[show Answer](javascript:showAnswer(%22answer490%22);)

**Q491. What is a Lambda Expression ? What's its use ?**[show Answer](javascript:showAnswer(%22answer491%22);)

**Q492. Difference between Predicate, Supplier and Consumer ?**[show Answer](javascript:showAnswer(%22answer492%22);)