* **Difference b/w for loop and enhanced for loop?**
* **Why can’t override wait and notify methods?**
* **What is String and Why String is immutable?**
* **Different way to create string and memory allocation?**

**http://www.instanceofjava.com/2014/12/four-different-ways-to-create-objects.html**

* **What is String pool and different location in different java version and jvm parameter to get info about string-pool and collection used to implement?**

**http://java-performance.info/string-intern-in-java-6-7-8/**

* **How substring works in java?**
* **What is the difference b/w String, String Buffer and StringBuilder?**
* **What is the difference b/w comparator and comparable interface and how to sort collection more than one key?**
* **How to implement equal () and hash code () in java and common error in implementation and return type?**
* **How to convert Date in String?**
* **What does intern () method do?**
* **Different parameter for string Pool?**
* **Difference b/w overloading and overriding?**

**https://programmingmitra.blogspot.com/2017/05/how-does-jvm-handle-method-overriding-internally.html**

* **Overloading with object auto boxing and var-args:**
* **Overriding Rules**
* **Difference b/w interface abstract class and where should use them?**
* **Can be instantiate interface?**
* **Why we need to override hash code and equal ()?**
* **Can a abstract class have a constructor in java if yes or no why?**
* **What is Static Final blank variable?**
* **. Use of this and super keyword in java?**
* **What is marker or tagged interface?**
* **What is Nested Interface?**
* **Can Constructor have private modifier?**
* **What is the difference b/w throw and throws?**
* **What is the checked and unchecked exception?**
* **What is the exception?**
* **What is the runtime or unchecked and check exception?**
* **What is the difference b/w exception and error?**
* **How volatile keyword works in java?**
* **What is difference in final, finalize and finally keyword in Java?**
* **What is the difference b/w ant and maven?**
* **Compare different version of java?**
* **Shallow cloning and deep cloning?**

[**https://howtodoinjava.com/java/cloning/a-guide-to-object-cloning-in-java/**](https://howtodoinjava.com/java/cloning/a-guide-to-object-cloning-in-java/)

* **What are Nested classes and why we need?**
* **Type of inheritance**
* **How system.out. println works?**
* **Why do we need overloading and overriding?**
* **Why main method is public, void and static?**
* **Can static method override?**
* **Can abstract method can have static method and type abstract?**
* **Will final block run after return?**
* **Can constructors be synchronized in Java?**
* **Does Java pass by reference or by value and which cloning used in**
* **Interface collision?**
* **How to create immutable class in java and benefits?**
* **Composition vs inheritance and aggregation, association**
* **auto boxing and un-boxing and overhead**
* **Why constructor are not static?**
* **Why need marker interface?**
* **What happened if we print java object?**
* **Can we serialize static method and class?**
* **JVM memory model**
* **What is enum?**
* **Can Enum implement interface and extends class in Java?**
* **Can Enum extends class in Java?**
* **How do you create Enum without any instance? Is it possible without compile time error?**
* **Can we override toString() method for Enum? What happens if we don't?**
* **Can we create instance of Enum outside of Enum itself? If Not, Why?**
* **Can we declare Constructor inside Enum in Java?**
* **How to convert a String to Enum and enum to string in Java?**

[**http://crunchify.com/why-and-for-what-should-i-use-enum-java-enum-examples/**](http://crunchify.com/why-and-for-what-should-i-use-enum-java-enum-examples/)

* **------------------------------------------Thread--------------------------------------------------------**
* **Difference b/w Thread and Process?**
* **What is difference between user Thread and daemon Thread?**
* **How to create Thread?**
* **What are different states in lifecycle of Thread?**
* **What is Thread Scheduler and Time Slicing?**
* **How can we make sure main() is the last thread to finish in Java Program?**
* **What is the difference between Runnable and Callable in Java?**
* **Why Thread sleep () and yield () methods are static?**
* **What is volatile keyword in Java?**
* **Which is more preferred – Synchronized method or synchronized block?**
* **What is Thread Local?**
* **How to generate Thread Dump?**
* **What is atomic classes in java?**
* **What is lock interface and different method and difference b/w lock and synchronization keyword?**
* **ReadWritelock explain**
* **What is the difference b/w sleep ad wait?**
* **What is the difference b/w sleep and yield?**
* **What is the difference b/w Thread and Runnable?**

[**http://javahungry.blogspot.com/2015/05/implements-runnable-vs-extends-thread-in-java-example.html**](http://javahungry.blogspot.com/2015/05/implements-runnable-vs-extends-thread-in-java-example.html)

* **Life cycle of Thread?**
* **Difference start and run method?**
  + **Common Logic:**
* **Reverse the string?**
* **Find all permutation of string?**
* **Reverse the number?**
* **Palindrome and Armstrong number ?**
* **Reverse the sentence**