**1.What is the most Important feature of java?**

* Java is platform independent language.

 **2.What do you mean by Platform Independence?**

* Platform Independence  you can run and compile program in one platform and can execute in any other platform.

**3.What is JVM(Java Virtual Machine)?**

* JVM is Java Virtual Machine which is a run time Environment for the compiled java class.

**4.What is JIT Compiler?**

* Just-In-Time(JIT) compiler is  used to improve the performance. JIT compiles parts of the byte code that have similar functionality at the same time,

**5.Are JVM's Platform Independent?**

* JVM'S are not platform Independent. JVM'S are platform Specific.

**6.What if main method declare as private?**

* No,It will compile fine but in run time it will error like main method should be in public.cannot find main method.

**7.What is platform?**

* A platform is basically the hardware or software environment in which a program runs.
* There are two types of platforms software and hardware.
* Java provides software-based platform.

 **8.What all memory areas are allocated by JVM?**

* Heap, Stack, Program Counter Register and Native Method Stack

**9.What is the base class of all classes?**

* java.lang.Object

**10.What is javac ?**

* It produces the java byte code from \*.java file.
* It is the intermediate representation of your source code that contains instructions.

 **11.Can we mark constructors final?**

* No, Constructor cannot be declared final.

**12.What are two different ways to call garbage collector?**

* System.gc() OR Runtime.getRuntime().gc().

**13.Can we override a static method?**

* No, we cannot override a static method. Static means class level.

**14.Use of finalize() method in java?**

* finalize() method is used to free the allocated resource.

**15.Is it possible to overload main() method of a class?**

* Yes, we can overload main() method as well.
* But every time public static main(String[] args) will be called automatically by JVM.
* Other methods need to call explicitly.

**16. Does Java support operator overloading?**

* Operator overloading is not supported in Java.

**17.Can I declare a data type inside loop in java?**

* Any Data type declaration should not be inside the loop. Its possible but not recommended.

**18.List two java ID Es?**

* 1.Eclipse, 2.Net beans and 3.IntelliJ

**19.Can we inherit the constructors?**

* No, we cannot inherit constructors.
* We can call super class constructors from subclass constructor by using super() call.

**20.Can this keyword be assigned null value?**

* No, this keyword cannot have null values assigned to it.

**21.Basic java interview programs for freshers**

* Check out these basic java programs for beginners