1. Why do we need static keyword in java explain with an example?

Ans- We need static keyword in java because it used for memory management.

1. What is class loading and how does the java program actually executes?

Ans- Class loading is a process of loading the class files into the JVM at runtime. The java program executes in some major steps-

Source code compiled by the compiler. After the compilation we receive byte code that executes by the JVM at runtime.

1. Can we mark a local variable as static?

Ans- No, We can not mark a local variable as static.

1. Why is the static block executed before the main method in java?

Ans- Static block executed before the main method in java because it executes automatically and main method called by the JVM.

1. Why is a static method also called a class method?

Ans- Static method also called a class method because we do not need to make class object to call it.

1. What is the use of static blocks in java?

Ans- Static block is used to initialization of the static variables.

1. Difference between static and Instance variables?

Ans- The value of the static variables is initialized one time in the program.

The value of the instance variables is changed according to methods.

1. Difference between static and non-static members?

Ans- Static members belongs to the class. And non-static members belongs to the methods.