

# Static Keyboard

## Assignment Questions



1. Why do we need static keyword in Java Explain with an example?

Static keyword are very useful program .its mainly use for memory management static keyword can be applied with variables,block and function and class. example suppose we have make employee id name and company in which all employee belongs to same company therefore we make it static so the extra memory will not be created for that every time.

2. What is class loading and how does the Java program actually executes?

Class loader are responsible for loading java classes dynamically to the jvm during runtime.

3. Can we mark a local variable as static

We cannot use static keyword with local variable and also with outer class too.

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

Because it is object independent so it is stored in the memory at the time of class loading and before the object creation.

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

A static method is a method belong to a class rather than a instance of a class. that is we can call a static class without creation of an object.

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

Because it is memory efficient. it is use for initializing static variables.

7. Difference between Static and Instance variables

Static:- its mainly use for memory management

Static variables are declared with the static keyword in a class, but outside a method, constructor or a block.

Instance variables:- Instance variables are declared in a class, but outside a method, constructor or any block.

Its not use for memory management

8. Difference between static and non static members

Static variables are shared among all instances of a class. Static variable is like a global variable and is available to all methods. Non static variable is like a local variable and they can be accessed through only instance of a class.

Note:- Please create a Google Document and write your answers and upload the shareable link of the Google Document with view access during the submission of the assignment.

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