

16.) What is an infinite loop in Java?

An infinite loop is a statement or an instruction in coding that repeats itself endlessly because of the lack of a functional exit. This is an error that keeps popping because of a certain condition that keeps coming true, and it comes under the category of logical errors that need to be fixed for further functioning.

17.) What is Java string pool?

A string pool is basically a storage area in a Java heap. It stores string literals. It works as a special memory area and also saves space from unnecessary memory usage. It copies each string for remembering so that there is no loss in case of an error.

18.) What is constructor chaining in Java?

The process of calling constructors in a sequence is called constructor chaining. This is done by calling a constructor of a particular class with the help of another constructor in the other class using the current object. The advantage of this is that it allows the parameters to pass through different constructors in a single initialization, which can be done in different ways.

19.) What is classloader in Java?

Classloaders are a part of Java Virtual Machine and Java Runtime Environment. It is responsible for dynamically loading Java classes. It is an abstract class that tries to locate or generate data on the basis of the binary name given.

20.) What is a map in Java?

The Map Interface in Java is an object that is used to map keys and values. Duplicate keys are not allowed here. Each key can only map a maximum of one value at a time. It works just like a dictionary. The specific order depends on the implementation. Users can find and update elements using maps.

21.) What are heap and memory stacks in Java?