1. What is a constructor?

Ans: Whenever we are creating an object some piece of code need to be executed automatically to perform initialization of an object. This piece of code is nothing but a constructor. Main objective of the constructor is initialization of object.

1. What is constructor chaining?

Ans: A class can contain more than one constructor and all the these constructors have the same name, they differ only in the type and number of arguments present. And calling these constructors in a sequence using this() and super() methods is called constructor chaining.

1. Can we call a subclass constructor from a superclass constructor?

Ans: No. we can’t call a subclass constructor from a superclass constructor.

1. What happens if you keep a return type for a constructor?

Ans: If we keep a return type for a constructor then Java language will treat it as a normal method and therefore it won’t cause any compile time error.

1. What is no-arg constructor?

Ans: A constructor which don’t accept any argument is call no-argument constructor.

1. How no-arg constructor different form the default constructor?

Ans: A default constructor is a constructor created by the compiler if programmer don’t explicitly define any constructor.

A no-arg constructor is a constructor created by the programmer explicitly with zero arguments.

1. When do we need constructor overloading?

Ans: We need constructor overloading when we want to initialize same type of objects with different type and number of parameters.

1. What is default constructor? Explain with an example.

Ans: A default constructor is a constructor created by the compiler if programmer don’t explicitly define any constructor.

class Student{

}

public class Question8 {

public static void main(String[] args) {

Student obj = new Student();

System.out.println("Object created...");

}

}

In this code snippet we can see, we didn’t created any constructor Student(). But still the program is executing successfully. Because compiler while compiling added the default constructor.