```java
//Here's an example Java code that demonstrates the flow of Static Class, Static Variables, Static Methods, Instance Blocks, Instance Variables, Instance Methods, and Constructors:

class Outer {

    // Static Variable
    static int staticVar = 10;

    // Static Method
    static void staticMethod() {
        System.out.println("Static Method executed");
    }

    // Static Block (executed once when class is loaded)
    static {
        System.out.println("Static Block executed");
        staticVar = 100;
    }

    // Instance Variable
    int instanceVar;

    // Instance Block (executed when an object is created)
    {
        System.out.println("Instance Block executed");
        instanceVar = 200;
    }

    // Constructor
    Outer() {
        System.out.println("Constructor executed");
    }

    // Instance Method
    void instanceMethod() {
        System.out.println("Instance Method executed. Instance variable: " + instanceVar);
    }

    // Static Nested Class
    static class Inner {
        static void innerMethod() {
            System.out.println("Static method inside Static Nested Class executed");
        }
    }

    public static void main(String[] args) {
        System.out.println("Main method starts");

        // Static method can be called without an object
        Outer.staticMethod();
        System.out.println("Static variable: " + Outer.staticVar);

        // Create object to invoke instance-related elements
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        System.out.println("\nCreating first object...");
        Outer obj1 = new Outer(); // Constructor & Instance Block executed here
        obj1.instanceMethod(); // Instance method execution

        System.out.println("\nCreating second object...");
        Outer obj2 = new Outer(); // Constructor & Instance Block executed here
        obj2.instanceMethod(); // Instance method execution

        // Calling Static Nested Class method
        System.out.println("\nStatic Nested Class method call...");
        Outer.Inner.innerMethod(); // Calling static method from static nested class

        System.out.println("\nMain method ends");
    }
}
==============
//Expected Output:

Main method starts
Static Block executed
Static Method executed
Static variable: 100

Creating first object...
Instance Block executed
Constructor executed
Instance Method executed. Instance variable: 200

Creating second object...
Instance Block executed
Constructor executed
Instance Method executed. Instance variable: 200

Static Nested Class method call...
Static method inside Static Nested Class executed

Main method ends
==============
//Explanation:
Static Variable (staticVar): Initialized when the class is loaded into memory. It is shared by all instances of the class.
Static Method (staticMethod()): Called using the class name (Outer.staticMethod()) without the need to create an object.
Static Block: Executed once when the class is loaded, even before the main() method or any object creation. It is used for initializing static variables.
Instance Variable (instanceVar): Each object has its own instance variable. It is initialized in the instance block before the constructor.
Instance Block: Executed every time an object is created, right before the constructor. It is useful for instance-level initialization.
Constructor: Called after the instance block when creating an object. It completes the object initialization.
Instance Method (instanceMethod()): Requires an object to be called. It can access instance variables and methods.
Static Nested Class: Defined within the outer class and marked with static. It can have static methods and can be called without an object of the outer class.
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101 //Flow Summary:
102 Main method initialized first.
103 Static Block is executed once when the class is loaded.
104 Static Method is called directly using the class name without object creation.
105 Instance Block and Constructor are executed each time an object is created.
106 Instance Methods and Instance Variables are specific to each object.
107 Static Nested Class can have its own static methods and be invoked without an instance of
     the outer class.
108 Main method ends.
```