IT23005

2. Difference between static and final Fields and methods

Feature	Static	Final
Definition	Belongs to the Class, Shared by all instances	cannot be reassigned once initialized.
usage in method	'static' methods belong to the class, can be called without instance	final methods can't be overriden in subclasses.
memory Allocation	Stored in the class's memory	stored normally but values is constant after initialization

Example code:

```
class Example {
    Static int staticVar = 10;
    final int finalvar = 20;
```

```
    static void staticMethod() {
        System.out.println("Static Method Called");
    }

    final void finalMethod() {
        System.out.println("Final Method Called");
    }
}

public class Test {
    public static void main() { String[] args) {
        Example obj = new Example();

        system.out.println(obj.staticVar);
        System.out.println(Example.staticVar);
        obj.staticMethod();
        Example.staticMethod();
}}
```