

Object Oriented Programming Using - JAVA

Practical-9

Aim:- Write a program in Java to demonstrate the use of the final keyword in the field declaration and how it is accessed using objects.

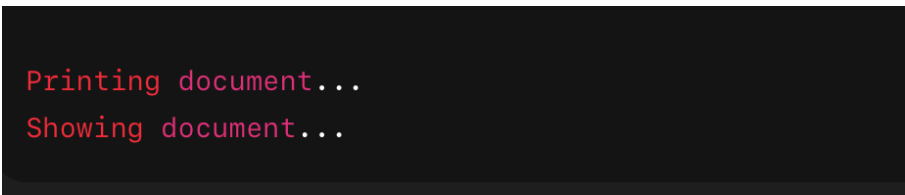
Theory:

In Java, the final keyword is used to declare constants or fields whose values cannot be changed once initialized. When a field is marked final, it must be assigned a value either during declaration or inside the constructor. Attempting to modify a final variable results in a compile-time error. Final variables are typically accessed using object references, but the value remains immutable.

Code:-

```
// File: MultipleInheritanceUsingInterface.java
// Define interfaces
interface Printable {
    void print();
}
interface Showable {
    void show();
}
// Implementing multiple interfaces
class Document implements Printable, Showable {
    public void print() {
        System.out.println("Printing document...");
    }
    public void show() {
        System.out.println("Showing document...");
    }
}
// Main class
public class Main {
    public static void main(String[] args) {
        Document doc = new Document();
        doc.print();
        doc.show();
    }
}
```

Output:



```
Printing document...
Showing document...
```