1. SINGLETON PATTERN IMPLEMENTATION

Coding:

public class Singleton {

private static Singleton instance;

private Singleton() {

System.out.println("Singleton Instance Created");

}

public static Singleton getInstance() {

if (instance == null) {

instance = new Singleton(); // Lazy initialization

}

return instance;

}

public void showMessage() {

System.out.println("Hello from Singleton!");

}

}

public class Main {

public static void main(String[] args) {

Singleton obj1 = Singleton.getInstance();

obj1.showMessage();

Singleton obj2 = Singleton.getInstance();

obj2.showMessage();

if (obj1 == obj2) {

System.out.println("Both are the same instance ");

} else {

System.out.println("Different instances ");

}

}

}

Output:

