**Question ::Exercise 1: Implementing the Singleton Pattern**

**Code:**

package dnsolutionsproblem1;

public class SingletonExample {

private static SingletonExample instance;

private SingletonExample() {

}

public static SingletonExample getInstance() {

if (instance == null) {

instance = new SingletonExample();

}

return instance;

}

public void showMessage() {

System.out.println("This is a Singleton instance");

}

public static void main(String[] args) {

SingletonExample obj1 = SingletonExample.getInstance();

SingletonExample obj2 = SingletonExample.getInstance();

obj1.showMessage();

System.out.println(obj1 == obj2);

}

}

**Output Scerrnshots**: