**Exercise 1: Implementing the Singleton Pattern**

class MySingleton {

private static MySingleton onlyInstance;

private MySingleton() {

System.out.println("Singleton object created\n");

}

public static MySingleton getInstance() {

if (onlyInstance == null) {

onlyInstance = new MySingleton();

}

return onlyInstance;

}

public void display() {

System.out.println("Only one Singleton instance");

}

}

public class Main {

public static void main(String[] args) {

MySingleton obj1 = MySingleton.getInstance();

MySingleton obj2 = MySingleton.getInstance();

obj1.display();

if (obj1 == obj2) {

System.out.println("Both the variables hold same object");

}

}

}



