// Singleton Class

public class ConfigurationManager {

private static ConfigurationManager instance;

private Properties properties;

private ConfigurationManager() {

properties = new Properties();

// Load properties from file or environment

// properties.load(...);

}

public static synchronized ConfigurationManager getInstance() {

if (instance == null) {

instance = new ConfigurationManager();

}

return instance;

}

public String getProperty(String key) {

return properties.getProperty(key);

}

public void setProperty(String key, String value) {

properties.setProperty(key, value);

}

}

// Client code

public class SingletonPatternDemo {

public static void main(String[] args) {

ConfigurationManager config1 = ConfigurationManager.getInstance();

ConfigurationManager config2 = ConfigurationManager.getInstance();

config1.setProperty("appName", "MyApp");

System.out.println(config2.getProperty("appName")); // Output: MyApp

System.out.println(config1 == config2); // Output: true (both references point to the same instance)

}

}