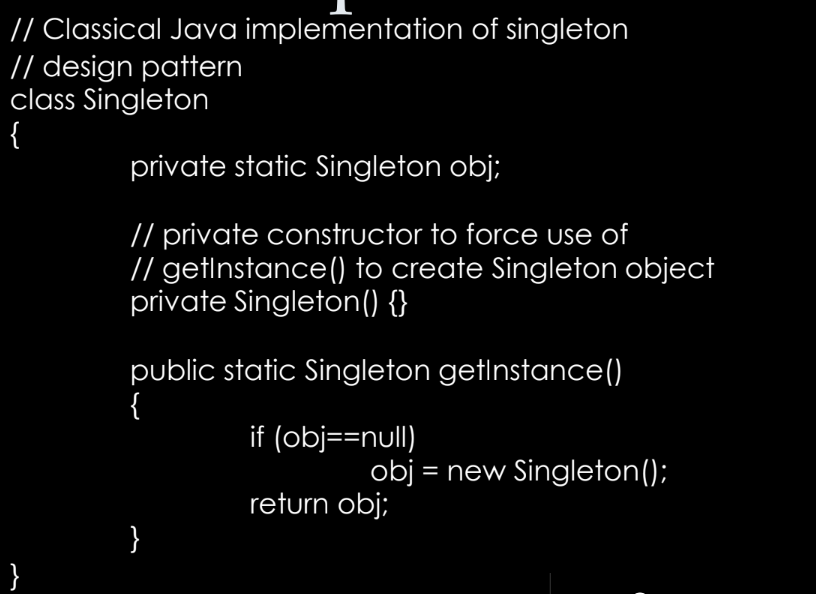
**SDA Lab 12**

**Name:** Hafsa Salman

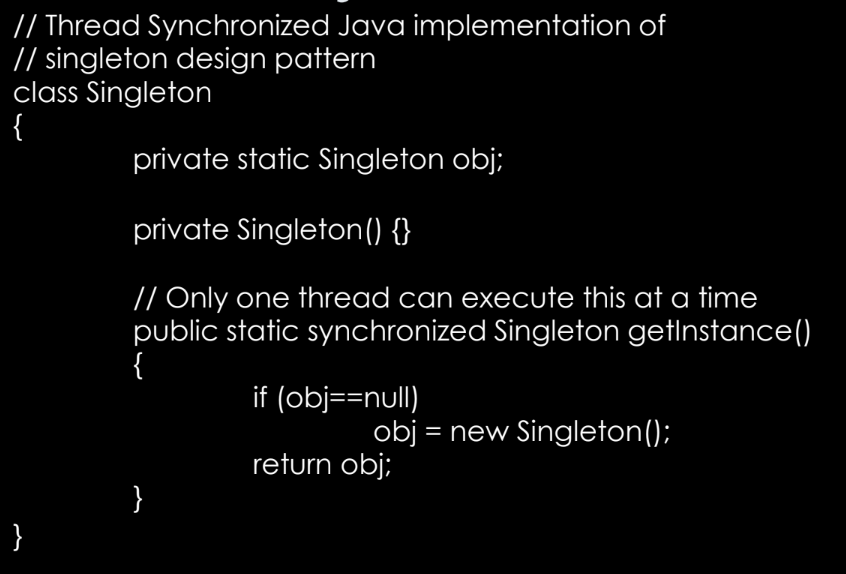
**Roll no.** 22K-5161

**Example 01**



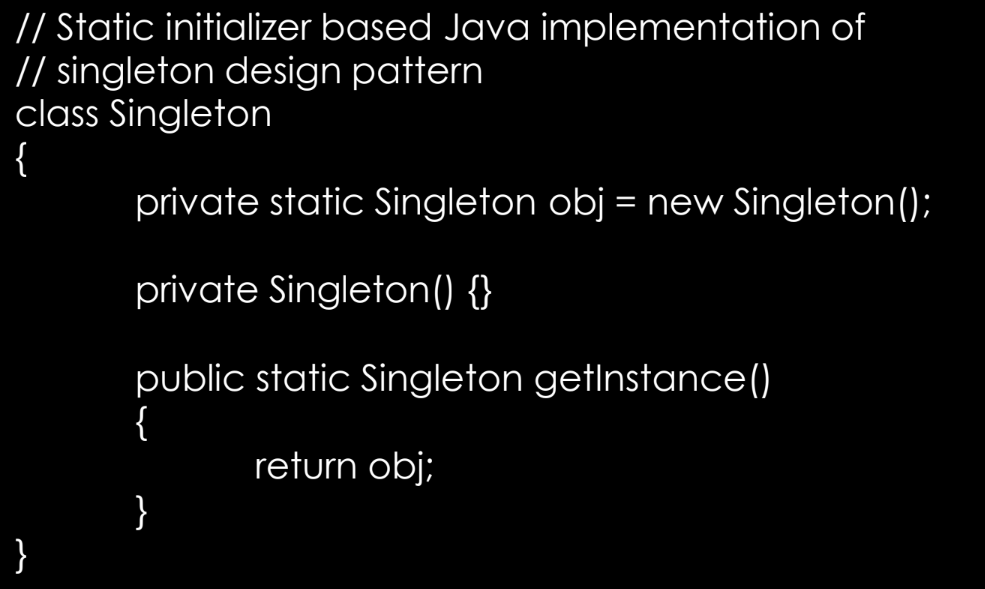
Design Pattern: Singleton

**Example 02**



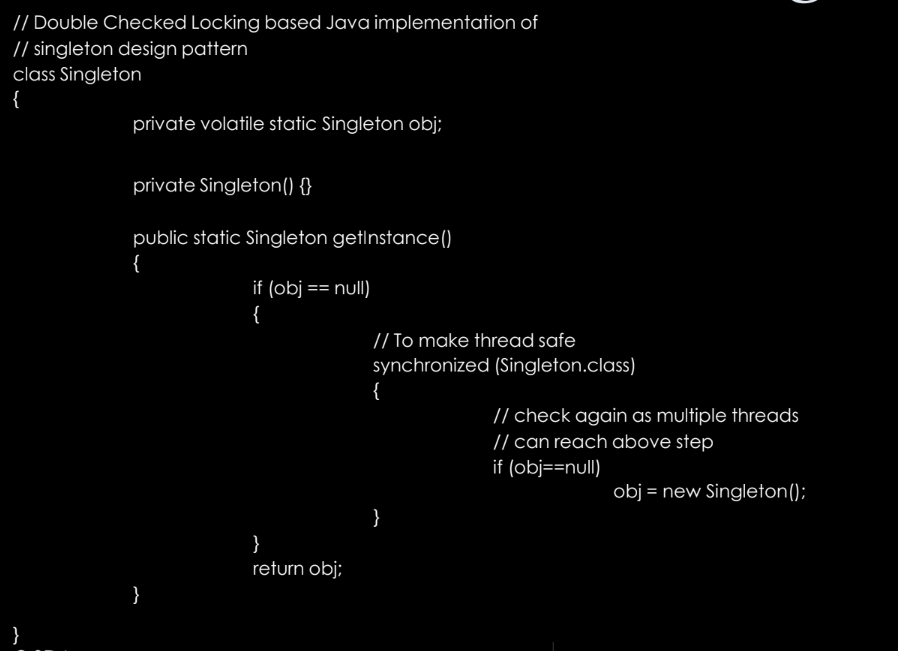
Design Pattern: Singleton

**Example 03**



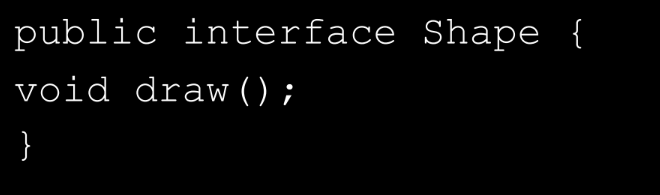
Design Pattern: Singleton

**Example 04**



Design Pattern: Singleton

**Example 05**



A screenshot of a computer program

Description automatically generated

A screen shot of a computer program

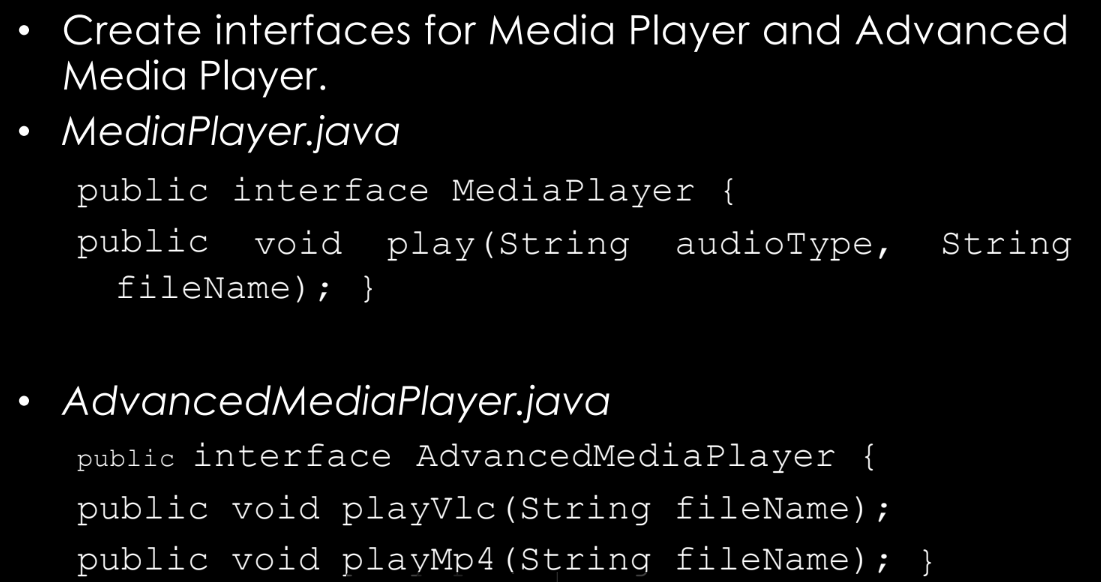
Description automatically generated

A screen shot of a computer code

Description automatically generated

Design Pattern: Factory

**Example 06**



A screen shot of a computer program

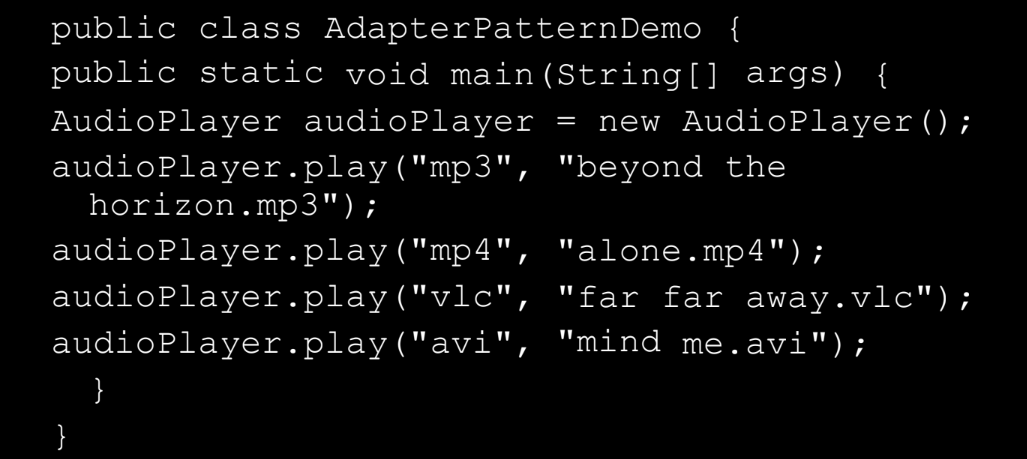
Description automatically generated

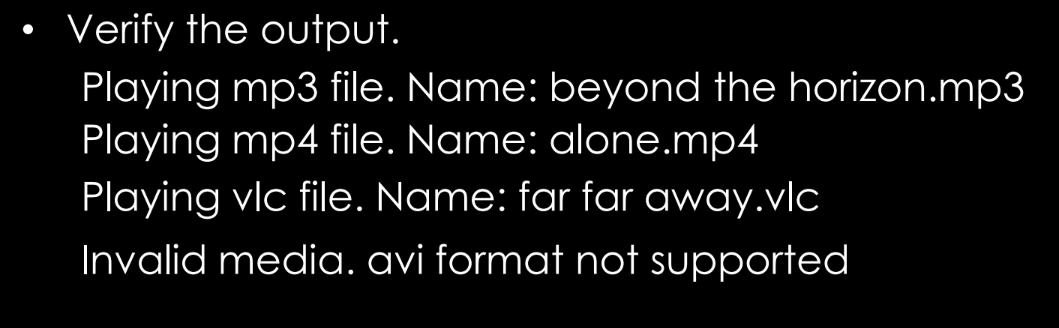
A screen shot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated





Design Pattern: Adapter