## **Singleton Design Pattern**

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# **Singleton Class**

#### Classi e oggetti

```
public class SingletonClass
   private static SingletonClass singleInstance;
    private static int innerVariable;
    private SingletonClass( int value )
      innerVariable = value;
    public static SingletonClass getInstance( int value )
      if( singleInstance == null )
        singleInstance = new SingletonClass( value );
      return singleInstance ;
```



# **Singleton Class**

### Classi e oggetti

```
public int getValue()
{
    return innerVariable;
}

public void setValue( int value )
{
    innerVariable = value;
}
```





```
public class MainProgram
{
   public static void main(String[] args)
   {
      SingletonClass instance1 = SingletonClass.
      getInstance(1);
      SingletonClass instance2 = SingletonClass.
      getInstance(2);

      System.out.println("Content of instance1 = " + instance1.getValue());
      System.out.println("Content of instance2 = " + instance2.getValue());
```





```
instance1.setValue( 3 );
   System.out.println( "Content of instance1 = " +
   instance1.getValue() );
   System.out.println( "Content of instance2 = " +
   instance2.getValue() );

   if( instance1 == instance2 )
   {
      System.out.println( "instance1 and instance2 are
   aliases" );
   }
}
```