```
import java.util.Scanner;
public class Person
{
	static Scanner scan = new Scanner(System.in);
	//  private members of class:
	private  String   name;
	private  int age ;
	private static final int MAX_VALUE = 110;
	private static final int MIN_VALUE = 0;
	//  CLASSINV: age >= MIN_VALUE && age <= MAX_VALUE
	public Person()
	{
		this.name = "No Name";
		this.age = 0;
	}
	public Person(String name, int age)
	{
		if(age < MIN_VALUE || age > MAX_VALUE)
		{
			throw new AgeOutOfBoundsException
			("constructor: age < MIN_VALUE or > MAX_VALUE");
		}
		this.name = name;
		this.age = age;
	}
	public void read()
	{
		String name;
		int age = 0;
		System.out.println("Please enter a name.");
		name = scan.nextLine();
		this.name = name;
		boolean goodAge = false;
		while(!goodAge)
		{
			try
			{
				System.out.println("Please enter an age.");
				age = scan.nextInt();
				if(age < MIN_VALUE || age > MAX_VALUE)
				{
					throw new AgeOutOfBoundsException
					("in read method: age value < MIN_VALUE or >
MAX_VALUE");
				}
				goodAge = true;
			}
			catch(AgeOutOfBoundsException e)
			{
				System.out.println(e);
			}
		}
		this.age = age;
	}

	public void setAge(int age)
	{
```

```
            if(age < MIN_VALUE || age > MAX_VALUE)
            {
                  throw new AgeOutOfBoundsException
                  ("set: age value < MIN_VALUE or > MAX_VALUE");
            }
            this.age = age;
      }
      public void setName(String name)
      {
            this.name = name;
      }
      public int getAge()
      //-------------------------------------------------------
      // access method to get private data
      //-------------------------------------------------------
      {
            return age;
      }
      public boolean equals(Person other)
      {
            return(this.age == other.age &&
this.name.equalsIgnoreCase(other.name));
      }
      public String  toString()
      // print to screen
      {
            return "" + "Name is " + name + " age is " + age;
      }
}
```