

Effective Java

Item 15

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Minimize
Mutability



how

to.....

No
Mutators

Can't be
Extended

```
public final class Complex {
```

Final

Private


```
private final double re;  
private final double im;
```

No Reference
to **Mutables**

```
public class User {  
    private Date birthday;  
    public Date getBirthday() {  
        return birthday;  
    }  
}
```



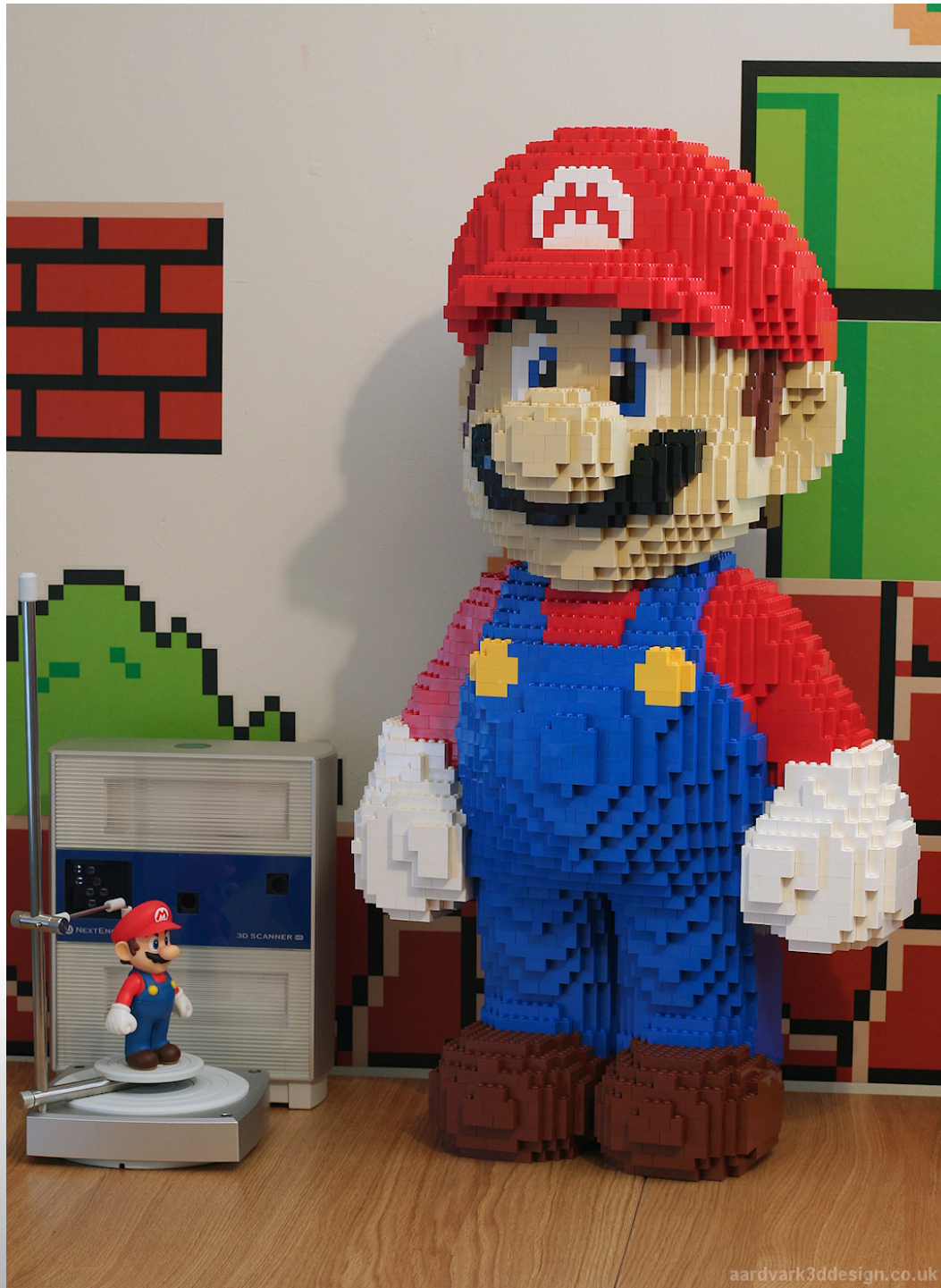


It's So Simple!





**SAFETY
FIRST**



Disadvantages?



BigInteger & MutableBigInteger

String & StringBuilder

thank
you!