

# [0570] Constants vs Read-Only Fields

Constants must be initialized by initializers.

Read-Only fields can only be initialized once HOWEVER it can be done by an initializer OR by a statement in a constructor. (readonly is just like final in Java.)

Also note that all const fields are automatically also static. That is not true of readonly fields - you'll have to make them static yourself.

This code works fine:

```
class JellyBean
{
    public const int MaxSize = 1000;
    public static readonly int MinSize;
    public JellyBean()
    {
        MinSize = 2;
    }
}
```

This class is horribly, horribly broken:

```
class JellyBean
{
    public static const int MaxSize;
    public readonly int MinSize = 2;

    public JellyBean()
    {
        MaxSize = 1000;
    }
}
```

None of that works at all.