

Quiz #2

Name: _____

Section: _____

Assume the existence of a mutable, Cloneable class called `DeathRay`, along with the class below, which is only partially shown:

```
public class Cyborg implements Cloneable {
    private String description;
    private String catchPhrase;
    public Cyborg(String description, String CatchPhrase) {
        this.description = description;
        this.catchPhrase = catchPhrase;
    }
}
```

Write a complete Java source code file defining a class called `Dalek`, which extends the `Cyborg` class and implements the `Cloneable` interface. Your class must have the following features:

- The class is located in a package called `aliens`. (Assume that `Cyborg` is also in this package, but that `DeathRay` is in a separate package called `weapons`.)
- One private instance member, which is a `DeathRay`.
- A constructor that has one parameter of type `DeathRay`, used to initialize the corresponding member. The `description` should be set to “Dalek”, and the `catchPhrase` should be set to “EXTERMINATE!”
- Since your class implements `Cloneable`, you need to write a proper `clone` method.