

1. Removed theHero variable from chooseHero() method within Dungeon class, because it is unused.

```
public static Hero chooseHero()
{
    int choice;
    Hero theHero;
```

2. Added constant values for all six monster and hero classes that represent hitpoints, attack speed, etc. to eliminate hardcoded number in class constructors.

Example:

```
public Warrior()
{

    super("Warrior", 125, 4, .8, 35, 60, .2);

} //end constructor
```

3. Within the Sorceress class, added "static" to MIN_ADD and MAX_ADD and changed both visibilities to "private" in favor of encapsulation.

```
public final int MIN_ADD = 25;
public final int MAX_ADD = 50;
```

4. Created CharacterAttack interface to ensure all current or future Monster and Hero classes implement their unique version of the attack(DungeonCharacter) method. (Strategy Pattern)

```
public interface CharacterAttack
{
    public void attack(DungeonCharacter opponent);
}
```

5. Removed comments describing each method (code smell), because the methods are written well enough that they do not need descriptions.

Example:

```
/*-----
readName obtains a name for the hero from the user
```

Receives: nothing
Returns: nothing

This method calls: nothing
This method is called by: hero constructor

-----*/

6. Removed Comparable implementation and compareTo() method from DungeonCharacter class, because it is unused.

```
public abstract class DungeonCharacter implements Comparable
{
    public int compareTo(Object o)
    {
        return 1;
    }
}
```

7. Removed unused methods from Keyboard class. (i.e. readBoolean(), readLong(), readFloat(), readDouble())

```
public static boolean readBoolean()
{
    String token = getNextToken();
    boolean bool;
    try
    {
        if (token.toLowerCase().equals("true"))
            bool = true;
        else if (token.toLowerCase().equals("false"))
            bool = false;
        else
        {
            error ("Error reading boolean data, false value returned.");
            bool = false;
        }
    }
    catch (Exception exception)
    {
        error ("Error reading boolean data, false value returned.");
        bool = false;
    }
    return bool;
}
```