

## Mini Assignment – Inheritance

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The objective of the task is to familiarise yourself with inheritance and hierarchies.

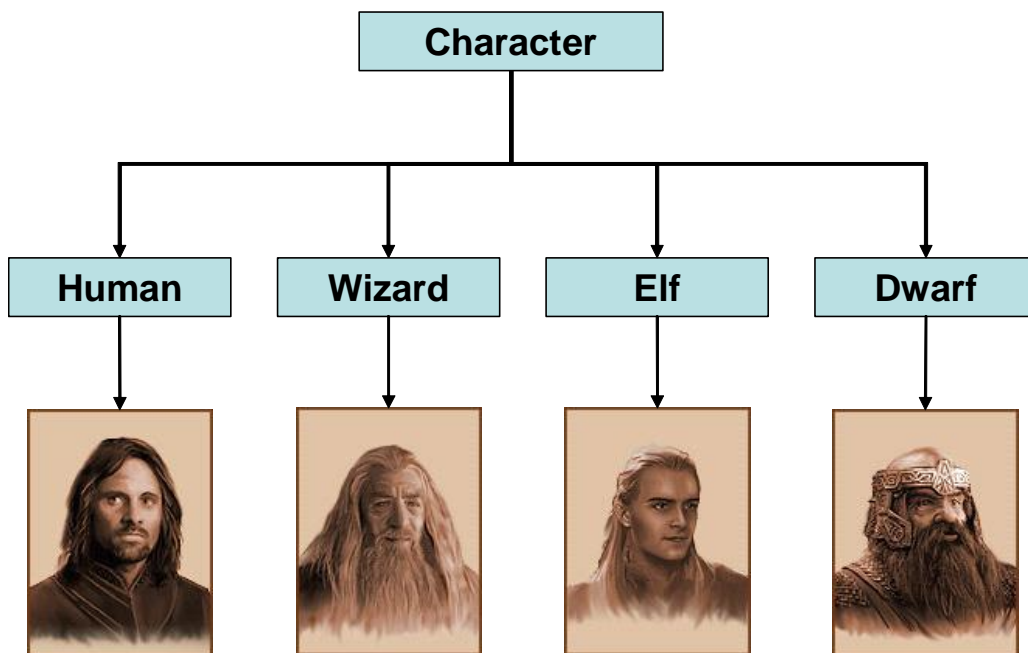
Below is the Fellowship of the Rings characters (courtesy of [www.lord-of-the-rings.org](http://www.lord-of-the-rings.org))



**Figure 1:** Fellowship of the Rings Characters

For more information on Lord of the Rings characters, see [http://www.lord-of-the-rings.org/books/lotr\\_characters.html](http://www.lord-of-the-rings.org/books/lotr_characters.html).

1. Describe each character with their most important characteristics.
2. Below is an example of a class hierarchy. Add the missing characters to the hierarchy.



3. Discuss the hierarchy. Is it a good fit for the nine characters? What about other characters in the Lord of the Rings saga, such as Sauron?
4. Create an alternative hierarchy to the one shown above.
5. Compare the two hierarchies and discuss the advantages and disadvantages of each.