Java Collections Framework (Basics)

List

Philosopher's stone

Goblet of Fire

Chamber of Secrets

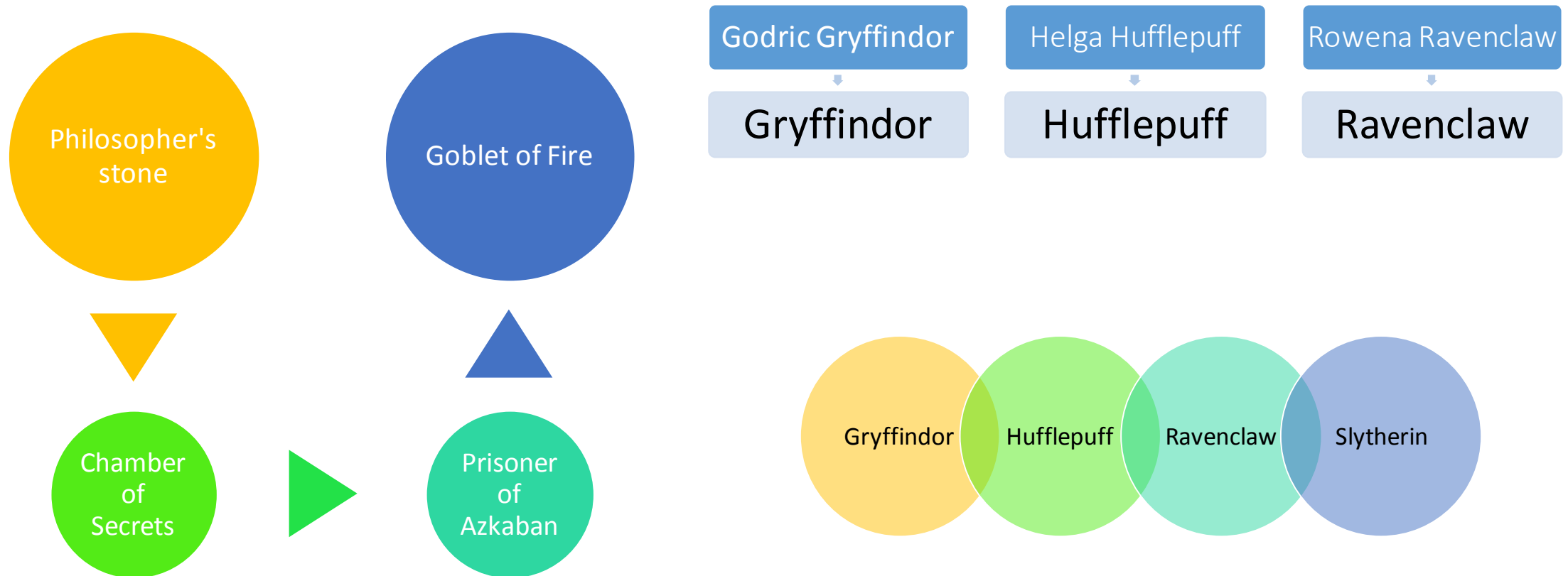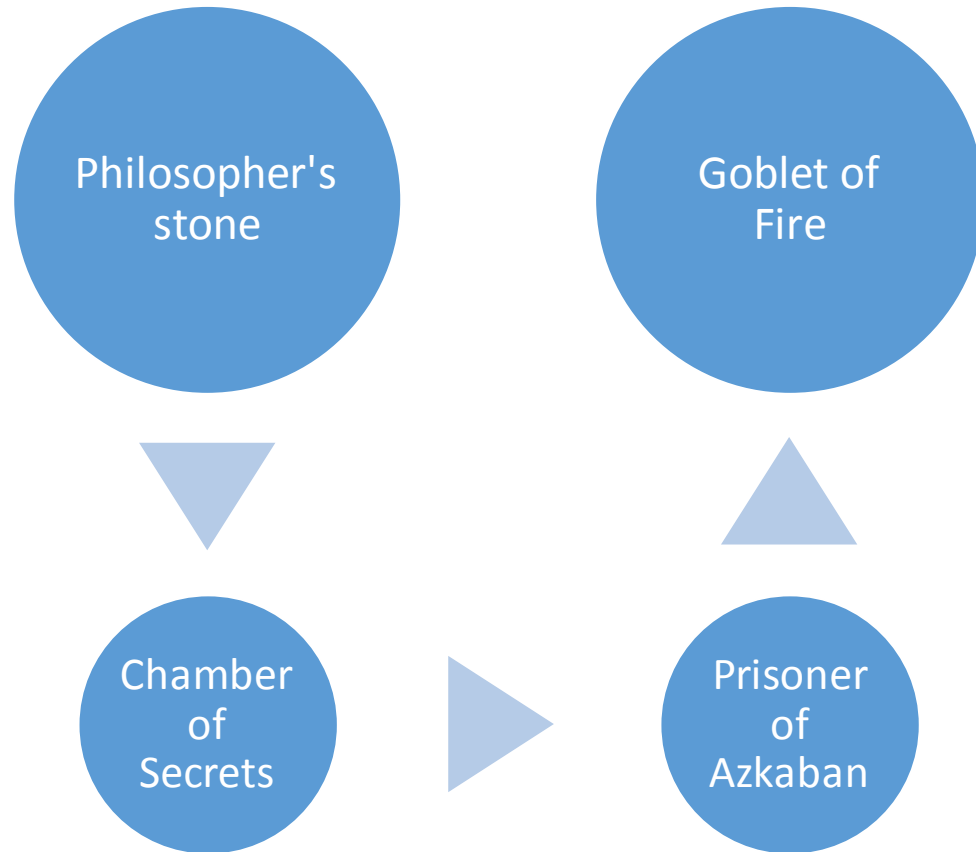Prisoner of Azkaban

- Definition : a finite ordered collection of values
- Reference : http://en.wikipedia.org/wiki/List_(abstract_data_type)
- Here a list of Harry Potter books is used as an example as it is a finite ordered collection.

Map

Godric Gryffindor	Helga Hufflepuff	Rowena Ravenclaw
• Gryffindor	• Hufflepuff	• Ravenclaw

- Definition : a collection of key-value pairs, where the value is mapped to the key by a mapping function
- Reference: http://en.wikipedia.org/wiki/Map_(computer_science)
- Here the founders of each of the houses in Hogwarts is shown as a map
- [Key : Founder, Value : house]

Set

Gryffindor	Hufflepuff
Ravenclaw	Slytherin

- Definition : A set is a collection of non-repeated values
- Reference : http://en.wikipedia.org/wiki/Set_(abstract_data_type)
- Here is a set of houses in Hogwards. Note there are no repeated values as each of them is a unique house in Hogwards with no connection to one another