* **Equality Of Sets :**
* Two sets are declared to be equal ***if and only if***they contain ***exactly the same*** elements.
* In particular, it does not matter ***how the set is defined or denoted.***
* For example: The set {1, 2, 3, 4} = {*x* | *x* is an integer where *x* > 0 and *x* < 5 }

= {*x* | *x* is a positive integer whose square is > 0 and < 25}

* Two sets are equal if they have the same elements {1, 2, 3, 4, 5} = {5, 4, 3, 2, 1}
* Remember that order does not matter! {1, 2, 3, 2, 4, 3, 2, 1} = {4, 3, 2, 1}
* Remember that duplicate elements do not matter!
* Two sets are not equal if they do not have the same elements {1, 2, 3, 4, 5} ≠ {1, 2, 3, 4}