**Inheritance**

* Acquiring the features of already existing class into a newly creating class
* Reusability
* Already existing class – parent/super class
* Newly creating class – child/sub class
* Keyword – extends
  + Class Person{}
  + Class Employee extends Person{….}
* Use super class members in the definition of sub class
* Object of sub class holds both super class & sub class members
* Access specifiers
  + Private – accessible only in its class
  + Public – accessible anywhere
  + Protected – accessible in its own and also in its sub class only
  + Default
* Super keyword – to refer immediate super class
* Types of Inheritance
  + Single – single super class, single sub class
  + Hierarchical Inheritance – single super class and multiple sub classes
  + Multi Level Inheritance – sub class can also be inherited
  + Multiple Inheritance – multiple super classes ( Java doesn’t support this among classes)