CISC124 – Today's Topics

- Polymorphism (late binding)
- Anonymous classes
- Inner classes
- Linked list example

Winter 2019   F. de la Parra   1

•1

Polymorphism

- Late binding (or dynamic binding)
  - Polymorphism in java means associating many method definitions to the same method invocation name
  - Method invocation and method definition (body) linked at runtime
  - As opposed to early binding which happens at compilation time
  - Late binding does not apply to:
    - Private methods
    - Methods marked final
    - Static methods

Winter 2019   F. de la Parra   2

•2

Anonymous and Inner classes

- Anonymous classes
  - No name assigned to the class
  - Body defined when creating single new object
  - Used , for example, for unique objects that are widely applicable (e.g., they are created in an interface)
- Inner classes
  - Used to enhance encapsulation of complex entities
  - Usually they allow the instantiation of component elements in a composite entity

Winter 2019   F. de la Parra   3

•3