

1. Session 5: Polymorphism and String Class

2. Intended Learning Outcome:

- Will learn about one of the core concept of OOP – Polymorphism
- Will learn about packages in java.
- Will learn about String Class implementation.

3. Expected skills:

- can explain Polymorphism.
- knows about multiple inheritance.
- knows about interface
- can implement interfaces in code using implements keyword.
- Knows the difference between Java String and C string.
- can implement String in code.
- can do basic operations on string.

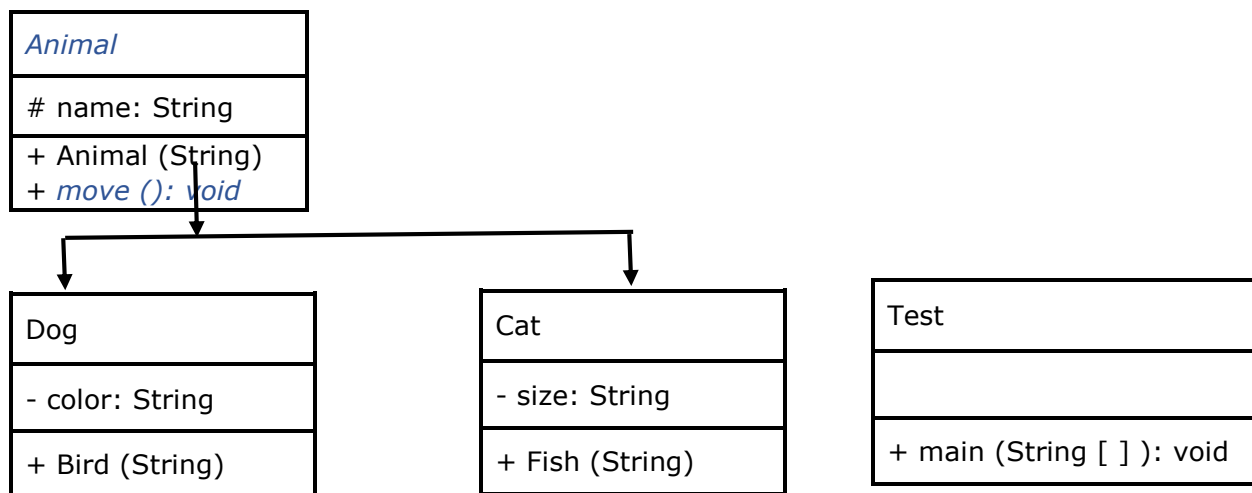
4. Tools Required:

- JDK
- ECLIPSE / NETBEANS

5. Session Detail:

- Teacher will give lecture on Java packages. (20 minutes)
- Teacher will give lecture on polymorphism and give multiple real life examples on them. (40 minutes)
- Teacher will talk about the difference between abstract class and interface. (20 minutes)
- Teacher will draw some UML that has polymorphism and tell the students to code them (20 minutes)
- Project Mentors Session – String (60 minutes)

6. Post Lab Exercise:



7. Further Readings:

- a. https://www.tutorialspoint.com/java/java_polymorphism.htm
- b. <http://www.javatpoint.com/runtime-polymorphism-in-java>