

CMPE 101 - Intermediate Programming

Worksheet(Week-11C)

Part I

In this part you will learn inheritance and define new classes using base classes. Define a class for **Animal**. Then define two different classes such as **Cat** and **Fish**. After that define two more classes such as **Whale** and **Lion**. All classes should have at least two properties, related mutator methods and the **toString()** method. Write a Test class and test your classes.

Part II

In this part you will learn overriding methods. Write a class with some methods and use this class as a parent class and define some child classes. In child class try to override some parent class methods. You must understand difference between overloaded and overridden methods.