

# CMPE 101 - Intermediate Programming

## Worksheet(Week-11A)

### 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 **Bird**. After that define two more classes such as **Tiger** and **Pigeon**. 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.