**Assignment-4**

1. Build two classes, Mammal and Dog. Dog will inherit from Mammal. Below is the Mammal class code. Once you have the Mammal class built, build a second class Dog that will inherit publicly from Mammal. Once you have completed class Mammal and Dog, build the main program.
2. Develop additional classes for Cat, Horse, and GuineaPig overriding the move and speak methods. Modify the main method.
3. Show the declaration of a class Square, which derives from Rectangle, which in turn derives from Shape.
4. If, in Exercise 3, Shape takes no parameters, Rectangle takes two (length and width), but Square takes only one (length), show the constructor initialization for Square.