|  |  |
| --- | --- |
| hen = Hen("Harry", 10, 10)  veg = Vegetable(3)  fruit = Fruit(5)  meat = Meat(1)  print(hen)  print(hen.make\_sound())  hen.feed(veg)  hen.feed(fruit)  hen.feed(meat)  print(hen) | Hen [Harry, 10, 10, 0]  Cluck  Hen [Harry, 10, 13.15, 9] |

## Animals

Your task is to create a class **hierarchy** like the described below. Submit in judge a **zip file** named **project**, containing a **separate file for each of the classes**.

The **Animal** class (**abstract**) should take, as attributes, a **name**, an **age**, and a **gender**. It should **have 2 methods**: **repr()** and **make\_sound()**.

The **Dog** class should **inherit** and **implement** the **Animal** class.

* Its **repr()** method should return **"This is {name}. {name} is a {age} year old {gender} {class}"**
* The dog sound is **"Woof!"**

The **Cat** class should **inherit** and **implement** the **Animal** class.

* Its **repr()** method should **return "This is {name}. {name} is a {age} year old {gender} {class}"**
* The cat sound **"Meow meow!"**

The **Kitten** class should **inherit** and **implement** the **Cat** class.

* The kitten gender is **"Female"**
* The kitten sound is **"Meow"**

The **Tomcat** class should **inherit** and **implement** the **Cat** class.

* The tomcat gender is **"Male"**

The tomcat sound is **"Hiss"**