

A+ Computer Science - Abstract Class Worksheet 2

Directions :: Extend class Dinosaur to make an Allosaur class. You must provide 3 constructors for class Allosaur. You must implement the roar method so that Allosaur will say “RRRRRRR” when asked to roar if not hungry and say “HUNGRRRRRRRY” when asked to roar if hungry.

One constructor must be a default.

One constructor must be a name only constructor.

One constructor must be a name and hunger constructor.

You must provide a toString() method.

The toString() should return the name and the dinosaur’s roar.

```
public abstract class Dinosaur
{
    private String dName;
    private boolean hungry;

    public Dinosaur()
    {
        dName = "";
        hungry=false;
    }

    public Dinosaur(String name)
    {
        dName = name;
        hungry=false;
    }

    public Dinosaur(String name, boolean hunger)
    {
        dName = name;
        hungry=hunger;
    }

    public abstract String roar();

    public boolean getHungry(){
        return hungry;
    }

    public String toString()
    {
        return dName;
    }
}
```