Universidad de las Fuerzas Armadas ESPE Matriz - Sangolquí

Object Oriented Programming





WORKSHOP

NRC:

14575

Estudiante:

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Professor:

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```
Start Page X Animal.java X A Vertebrate.java X A Mammal.java X A Giraffe.java X A Platypus.java X
        Source
10
11
       author Stefany Diaz, HoneyBadgers, DCCO - ESPE
12
13
       ic class Zoo {
    public static void main(String[] args) {
           System.out.println(x: "---->POLYMORPHISM by STEFANY DÍAZ");
15
16
           Animal animal = new Animal(id: 0, scientificName: "Platypus", new Date(), cageId: 1);
           ArrayList<Animal> animals = new ArrayList<>();
17
18
           animals.add(e: animal);
19
           System.out.println("animal--> " + animal);
           System.out.println("animal type" + animal.getClass());
20
21
22
           animal = new Platypus (poisoness: true, poisonGlands: 0, numberOfMammaryGlands: 0, spine: "spine small", numberOfBones: 0, id: 0, scientificName: "platypu
           animals.add(e: animal);
23
24
           System.out.println("animal--> " + animal);
□ Output - Zoo (run) ×
     Animal{id=0, scientificName=girafus, bornDate=Sat Jan 13 08:10:26 ECT 2024, cageId=0}spine=big spine, numberOfBones=0}numberOfMammaryGlands=0}}
     animal typeclass ec.edu.espe.zoo.model.Giraffe
     other giraffeGiraffe{Mammal{Vertebrate}
Animal{id=2, scientificName=Giraffe, bornDate=Thu Feb 01 00:00:00 ECT 3923, cageId=0}spine=long, numberOfBones=206}numberOfMammaryGlands=4}}
     Brushing the neck of the giraffe
     Giraffe is breastfeeding
     Giraffe is brestfeeding its calf number -->1
      ZOO ANIMALS
     Animal{id=0, scientificName=Platypus, bornDate=Sat Jan 13 08:10:26 ECT 2024, cageId=1}, Platypus{Mammal{Vertebrate}
     Animal{id=0, scientificName=platypus scientific, bornDate=Sat Jan 13 08:10:26 ECT 2024, cageId=0}spine=spine small, numberOfBones=0}numberOfMammaryGlands=
     Animal{id=2, scientificName=Giraffe, bornDate=Thu Feb 01 00:00:00 ECT 3923, cageId=0}spine=long, numberOfBones=206}numberOfMammaryGlands=4}}]
     total animals-->3
```



