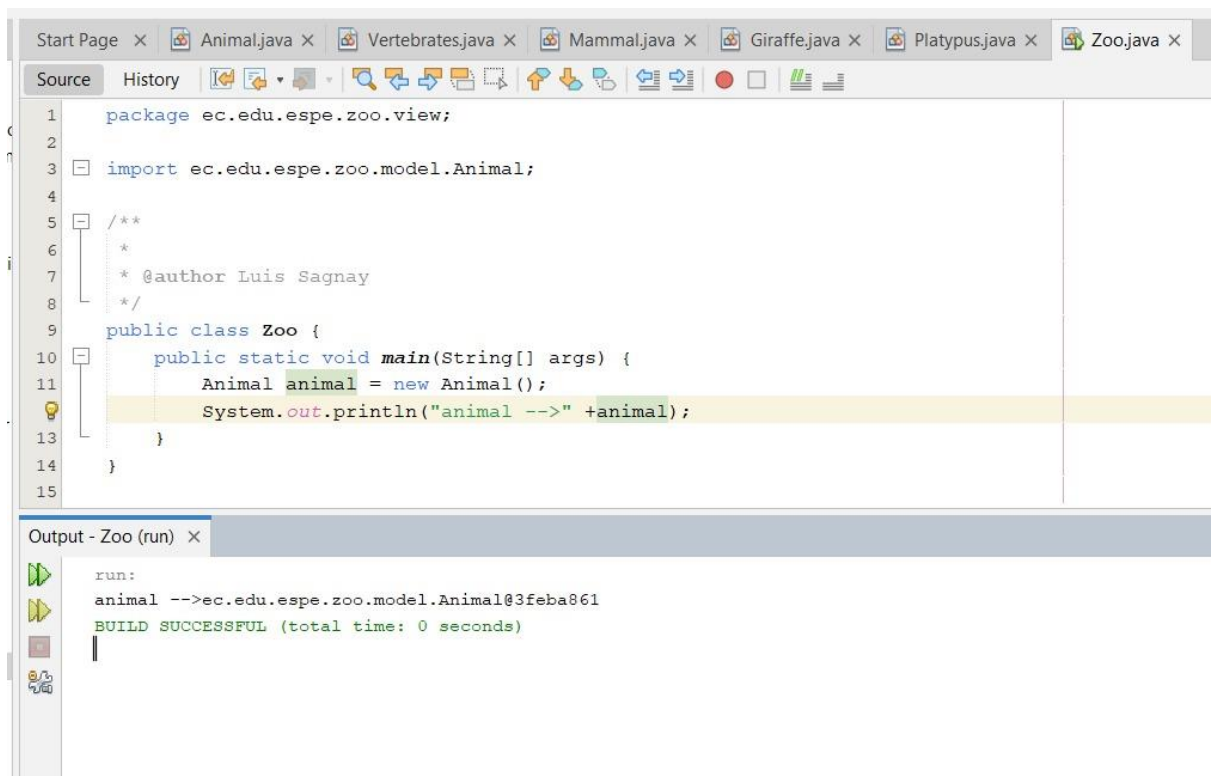


20. Luis Eduardo Sagnay Pilamunga

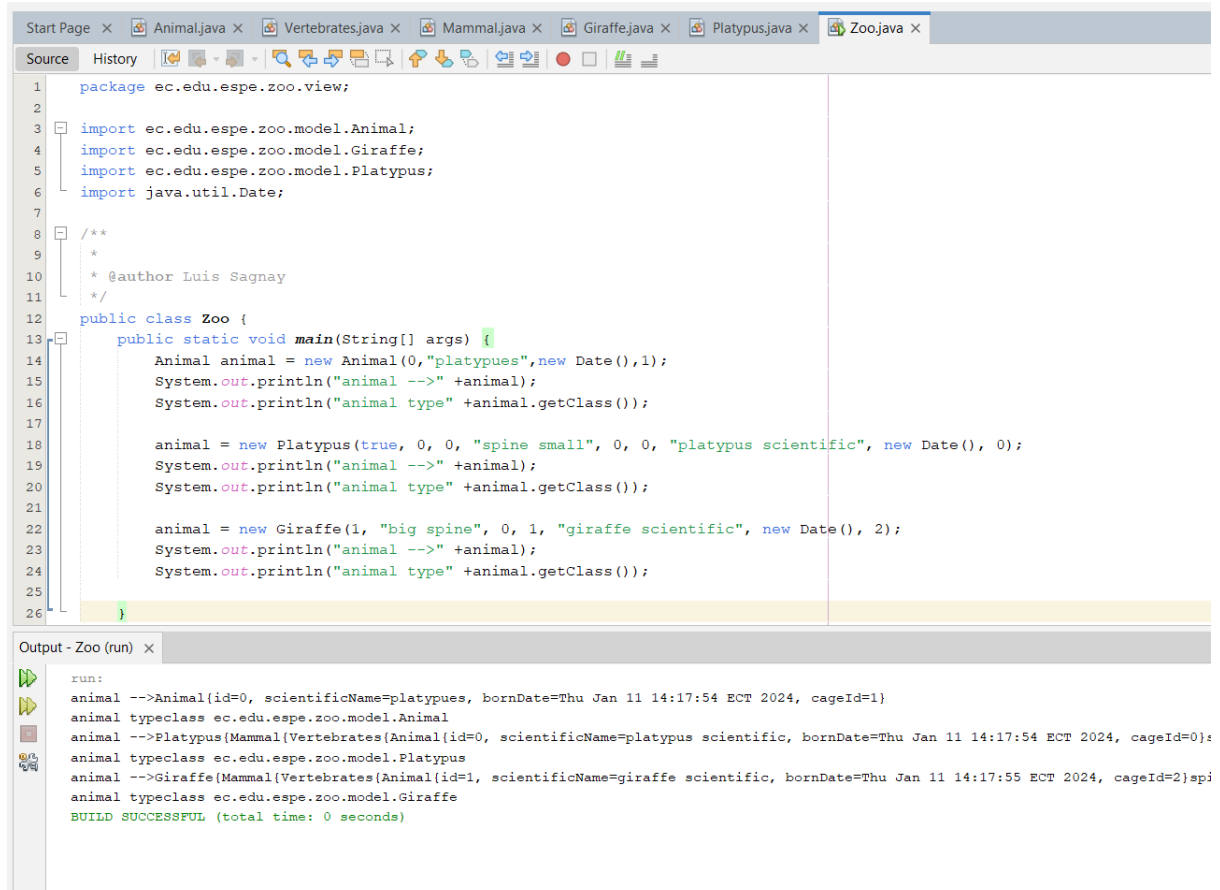


The screenshot shows an IDE with several tabs: Start Page, Animal.java, Vertebrates.java, Mammal.java, Giraffe.java, Platypus.java, and Zoo.java. The Zoo.java tab is active, displaying the following code:

```
1 package ec.edu.espe.zoo.view;
2
3 import ec.edu.espe.zoo.model.Animal;
4
5 /**
6  *
7  * @author Luis Sagnay
8  */
9 public class Zoo {
10     public static void main(String[] args) {
11         Animal animal = new Animal();
12         System.out.println("animal -->" + animal);
13     }
14 }
15
```

The output window, titled "Output - Zoo (run)", shows the following text:

```
run:
animal -->ec.edu.espe.zoo.model.Animal@3feba861
BUILD SUCCESSFUL (total time: 0 seconds)
```



The screenshot shows the same IDE with the Zoo.java tab active. The code has been updated to create three different animal instances:

```
1 package ec.edu.espe.zoo.view;
2
3 import ec.edu.espe.zoo.model.Animal;
4 import ec.edu.espe.zoo.model.Giraffe;
5 import ec.edu.espe.zoo.model.Platypus;
6 import java.util.Date;
7
8 /**
9  *
10  * @author Luis Sagnay
11  */
12 public class Zoo {
13     public static void main(String[] args) {
14         Animal animal = new Animal(0, "platypus", new Date(), 1);
15         System.out.println("animal -->" + animal);
16         System.out.println("animal type" + animal.getClass());
17
18         animal = new Platypus(true, 0, 0, "spine small", 0, 0, "platypus scientific", new Date(), 0);
19         System.out.println("animal -->" + animal);
20         System.out.println("animal type" + animal.getClass());
21
22         animal = new Giraffe(1, "big spine", 0, 1, "giraffe scientific", new Date(), 2);
23         System.out.println("animal -->" + animal);
24         System.out.println("animal type" + animal.getClass());
25     }
26 }

```

The output window, titled "Output - Zoo (run)", shows the following text:

```
run:
animal -->Animal(id=0, scientificName=platypus, bornDate=Thu Jan 11 14:17:54 ECT 2024, cageId=1)
animal typeclass ec.edu.espe.zoo.model.Animal
animal -->Platypus(Mammal(Vertebrates(Animal(id=0, scientificName=platypus scientific, bornDate=Thu Jan 11 14:17:54 ECT 2024, cageId=0):
animal typeclass ec.edu.espe.zoo.model.Platypus
animal -->Giraffe(Mammal(Vertebrates(Animal(id=1, scientificName=giraffe scientific, bornDate=Thu Jan 11 14:17:55 ECT 2024, cageId=2)spi
animal typeclass ec.edu.espe.zoo.model.Giraffe
BUILD SUCCESSFUL (total time: 0 seconds)
```