



SEMESTRE MAYO- AGOSTO

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Activity: WS25 – ZooExample

The first screenshot shows the NetBeans IDE with the `ZooSystem.java` file open. The code defines a package `ec.edu.espe.zoo.view`, imports `ec.edu.espe.zoo.model.Animal`, and contains a `ZooSystem` class with a `main` method. The `main` method creates a new `Animal` object and prints its details. The output window shows the successful execution of the program, displaying the output: `Animal -->ec.edu.espe.zoo.model.Animal@5f184fc6`.

The second screenshot shows the same NetBeans IDE with the `ZooSystem.java` file open. The code is updated to include an additional import `java.util.Date` and the `main` method is modified to create a new `Animal` object with specific parameters: `Animal animal = new Animal(id:1, scientificName: "Platypus", new Date(), cageId:1);`. The output window shows the successful execution of the program, displaying the output: `Animal -->Animal{id=1, scientificName=Platypus, bornOnDate=Thu Jan 11 11:21:20 ECT 2024, cageId=1}`.



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The screenshot shows the Apache NetBeans IDE interface. The main editor displays the `ZooSystem.java` file, which contains a `main` method that creates and prints information for three animals: `Animal`, `Platypus`, and `Giraffe`. The output window at the bottom shows the execution results, including the class names and the build status.

```
1  /**
2   *
3   * @author Jefferson David Yepez Moran, Bit Coders, DCCO -ESPE
4   */
5   public class ZooSystem {
6   public static void main(String[] args) {
7       Animal animal = new Animal(id:1, scientificName: "Platypus", new Date(), cageId:1);
8       System.out.println("Animal -->" + animal);
9       System.out.println("animaltype" + animal.getClass());
10
11       animal = new Platypus(poisonous: true, poisonGlands: 4, numberOfMammaryGlands: 2, spine: "spine small", numberOfBones: 208, id: 2, scientificName: "Platypus");
12       System.out.println("Animal -->" + animal);
13       System.out.println("animaltype" + animal.getClass());
14
15       animal = new Giraffe(numberOfMammaryGlands: 2, spine: "big spine", numberOfBones: 208, id: 3, scientificName: "Giraffe", new Date());
16       System.out.println("Animal -->" + animal);
17       System.out.println("animaltype" + animal.getClass());
18   }
19 }
```

Output - Zoo (run) x

```
Animal -->Animal{id=1, scientificName=Platypus, bornOnDate=Thu Jan 11 11:50:16 ECT 2024, cageId=1}
animaltypeclass ec.edu.espe.zoo.model.Animal
Animal -->Platypus[Mammal{Vertebrate{Animal{id=2, scientificName=platypus scientific, bornOnDate=Thu Jan 11 11:50:16 ECT 2024, cageId=1}, scientificName=platypus scientific, bornOnDate=Thu Jan 11 11:50:16 ECT 2024, cageId=1}, scientificName=platypus scientific, bornOnDate=Thu Jan 11 11:50:16 ECT 2024, cageId=1}, scientificName=platypus scientific, bornOnDate=Thu Jan 11 11:50:16 ECT 2024, cageId=1}
animaltypeclass ec.edu.espe.zoo.model.Platypus
Animal -->Giraffe[Mammal{Vertebrate{Animal{id=3, scientificName=Giraffe, bornOnDate=Thu Jan 11 11:50:16 ECT 2024, cageId=1}, scientificName=Giraffe, bornOnDate=Thu Jan 11 11:50:16 ECT 2024, cageId=1}, scientificName=Giraffe, bornOnDate=Thu Jan 11 11:50:16 ECT 2024, cageId=1}, scientificName=Giraffe, bornOnDate=Thu Jan 11 11:50:16 ECT 2024, cageId=1}
animaltypeclass ec.edu.espe.zoo.model.Giraffe
BUILD SUCCESSFUL (total time: 0 seconds)
```