AIM: Demonstrate the concept of user defined Package using following scenario: Create a new project in which create a package named org.animals. In that create various classes like: Lion, Monkey and Elephant.

In each class create data members like color, weight and age. Create methods like is Vegetarian, canClimb, getSound.

Create another project and in that create a package called zoo and create a class called VandalurZoo and create objects for the animals that are existing in zoo and print the characteristic of each animal.

Lion.java

```
/ Lion.iava ×
 //Create a new project in which create a package named animals.
 //In that create various classes like Lion, Monkey, Elephant.
 //In each class create data members like color, weight and age & Create methods like isVegetarian, canClimb, getSound.
 //Lion class
 package animalspack;
 public class Lion
     private String color;
     private float weight;
     private int age;
     public Lion(String color, float weight, int age)
         this.color=color;
        this.weight=weight;
         this.age=age;
         System.out.println("Lion: color, weight and age is: "+color+" "+weight+" and "+age);
     public boolean isVegetarian()
         return false;
     public boolean canClimb()
             return false;
     public String getSound()
             return "roaring";
```

Elephant.java

```
/ Elephant.java ×
 //Elephant class
 package animalspack;
 public class Elephant
     private String color;
     private float weight;
     private int age;
     public Elephant (String color, float weight, int age)
         this.color=color;
         this.weight=weight;
         this.age=age;
         System.out.println("Elephant color, weight and age is: "+color+" "+weight+" and "+age);
     public boolean isVegetarian()
         return true;
     public boolean canClimb()
             return false:
     public String getSound()
             return "trumpeting";
```

VandalurZoo.java

Go to cmd and do the following:

```
Elephant VandalurZoo
                                  C:\Windows\system32\cmd.exe
 Microsoft Windows [Version 6.3.9600]
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 C:\Users\PUNEET BANGA>cd Desktop
C:\Users\PUNEET BANGA\Desktop>javac -d . Lion.java Elephant.java VandalurZoo.jav
C:\Users\PUNEET BANGA\Desktop>java zoopack.VandalurZoo
Lion: color, weight and age is: Brown 200.2 and 12
Non-Vegetarian
Can't Climb
Lion Sound: roaring
Elephant color, weight and age is: Dark-Brown 800.25 and 19
Yes-Vegetarian
Can't Climb
Elephant sound: trumpeting
C:\Users\PUNEET BANGA\Desktop>_
```