2. Write a Java program that demonstrates method overriding by creating a superclass called Animal and two subclasses called Dog and Cat.
 ● The Animal class should have a method called makeSound(), which simply prints "The animal makes a sound."
● The Dog and Cat classes should override this method to print "TheCat/The dog meows/barks" respectively.
● The program should allow the user to create and display objects of each


```java
public class Animal
{
    public void makeSound()
    {
      System.out.println("The animal makes sound.");
    }
}

class Dog extends Animal
{
    // Method Override
    public void makeSound()
    {
        System.out.println("The dog barks.");
    }
}

class Cat extend Animal
{
    //Method Override
    public void makeSound()
    {
        System.out.println("The cat meows.");
    }
}

class Main
{
    public static void main(String[] args)
    {
        Animal animal = new Animal():
        Dog dog = new Dog();
        Cat cat = new Cat();

        animal.makeSound():
        dog.makeSound();
        cat.makeSound();
    }
}
```

Output:


The animal maks a sound.
The dog barks.
The cat meows.