

1. Write a java program - create a class name as animal, create 3 objects, create 3 attributes, and create 3 methods?

PROGRAM:

```
class Animal {
    public void eat()
    {
        System.out.println("eat method");
    }
    public void sleep()
    {
        System.out.println("sleep method");
    }
}
class Bird extends Animal{
    @Override
    public void eat() {
        super.eat();
        System.out.println("override eat");
    }

    @Override
    public void sleep() {
        super.sleep();
        System.out.println("override sleep");
    }

    public void fly()
    {
        System.out.println("in fly method");
    }
}
class Animals{
    public static void main(String[] args) {
        Animal a =new Animal();
        Bird b = new Bird();
        a.eat();
        a.sleep();
        b.eat();
        b.sleep();
        b.fly();
    }
}
```

OUTPUT:

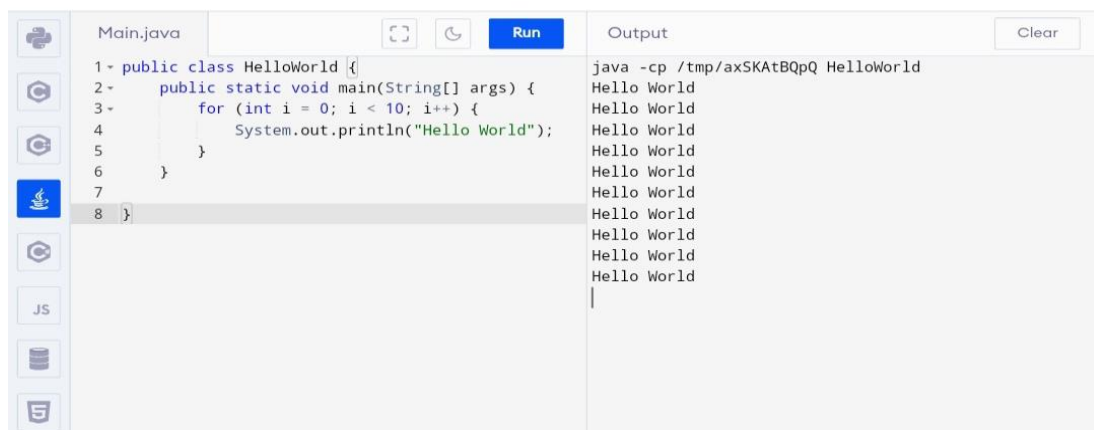
Main.java	Output
<pre>1- class Animal { 2- public void eat() 3- { 4- System.out.println("eat method"); 5- } 6- public void sleep() 7- { 8- System.out.println("sleep method"); 9- } 10- } 11- 12- 13- } 14- class Bird extends Animal{ 15- @Override 16- public void eat() { 17- super.eat(); 18- System.out.println("override eat"); 19- } 20- 21- @Override 22- public void sleep() { 23- super.sleep(); 24- System.out.println("override sleep"); 25- } 26- 27- public void fly() 28- { 29- System.out.println("in fly method"); 30- } 31- } 32- } 33- class Animals{ 34- public static void main(String[] args) { 35- Animal a =new Animal(); 36- Bird b = new Bird(); 37- a.eat(); 38- a.sleep(); 39- b.eat(); 40- b.sleep(); 41- b.fly(); 42- } 43- }</pre>	<pre>java -cp /tmp/mwINDvn5Ny Animals eat methodsleep method eat method override eat sleep method override sleep in fly method </pre>

2. Write a java program - using for loop/condition to print the helloworld program, if it is a input is less than 10 then print hello world for many times

PROGRAM:

```
public class HelloWorld {  
    public static void main(String[] args) {  
        for (int i = 0; i < 10; i++) {  
            System.out.println("Hello World");  
        }  
    }  
}
```

OUTPUT:



The screenshot shows a Java IDE with a file named 'Main.java'. The code in the editor is a Java program that prints 'Hello World' 10 times using a for loop. The code is as follows:

```
1- public class HelloWorld {  
2-     public static void main(String[] args) {  
3-         for (int i = 0; i < 10; i++) {  
4-             System.out.println("Hello World");  
5-         }  
6-     }  
7- }  
8 }
```

The IDE has a 'Run' button. The output window on the right shows the command 'java -cp /tmp/axSKAtBQpQ HelloWorld' and the output 'Hello World' repeated 10 times.

