INHERITANCE

1.

```
class Animal {
  String name;
  public void eat() {
    System.out.println("I can eat");
  }
}

class Dog extends Animal {
  public void display() {
    System.out.println("My name is " + name);
  }
}

class Main {
  public static void main(String[] args) {

    Dog labrador = new Dog();

    labrador.name = "Rohu";
    labrador.display();
    labrador.eat();

  }
}
```

2.

```
class Animal {

   public void eat() {
    System.out.println("I can eat");
  }
}

class Dog extends Animal {
  @Override
  public void eat() {
    System.out.println("I eat dog food");
  }

  public void bark() {
```

```
    System.out.println("I can bark");
  }
}

class Main {
  public static void main(String[] args) {

    Dog labrador = new Dog();

    labrador.eat();
    labrador.bark();
  }
}
```

3.

```
class Animal {
  protected String name;

  protected void display() {
    System.out.println("I am an animal.");
  }
}

class Dog extends Animal {

  public void getInfo() {
    System.out.println("My name is " + name);
  }
}

class Main {
  public static void main(String[] args) {

    Dog labrador = new Dog();

    labrador.name = "Rocky";
    labrador.display();

    labrador.getInfo();
  }
}
```

4.

```
class Calculation {
  int z;

  public void addition(int x, int y) {
    z = x + y;
    System.out.println("The sum of the given numbers:"+z);
  }

  public void Subtraction(int x, int y) {
    z = x - y;
    System.out.println("The difference between the given numbers:"+z);
  }
}

public class My_Calculation extends Calculation {
  public void multiplication(int x, int y) {
    z = x * y;
    System.out.println("The product of the given numbers:"+z);
  }

  public static void main(String args[]) {
    int a = 20, b = 10;
    My_Calculation demo = new My_Calculation();
    demo.addition(a, b);
    demo.Subtraction(a, b);
    demo.multiplication(a, b);
  }
}
```