package demoone;  
  
public class PolyOverridingEx extends Demo{  
  
 public static void main(String[] args){  
  
 Demo polyOverridingEx = new PolyOverridingEx();  
  
 polyOverridingEx.run();  
  
 String s ="hello";  
 s="hi";  
  
 int i1 = 10;  
 int i2 = 20;  
  
 String s1 = new String("Hi");  
 String s2 = new String("Hi");  
  
 System.*out*.println("double equal operator: "+(i1==i2));  
  
 }  
  
 public void run(){  
 System.*out*.println("Hi! this is the java class");  
 System.*out*.println("Hi! Python");  
  
 int z = 10 + 20;  
  
 System.*out*.println(z);  
  
  
 }  
  
  
}  
  
class Demo{  
  
 public void run(){  
 System.*out*.println("Hello!");  
 }  
  
}

package demoone;  
  
import java.io.IOException;  
import java.util.Locale;  
  
public class PolyExOne {  
  
  
 public static void main(String[] args) throws IOException {  
  
 int x =5, y=0;  
  
 String s=null;  
  
 try{  
 int z = x/y;  
 TestOne testOne = new TestOne();  
  
 s = testOne.getName().toLowerCase(Locale.*ROOT*);  
  
 } catch (NullPointerException e){  
  
 s="hello";  
  
  
 } catch (ArithmeticException exception){  
  
 }  
  
 PolyExOne polyExOne = new PolyExOne();  
  
  
 System.*out*.println(polyExOne.getNum(10, 20));  
 System.*out*.println(polyExOne.getNum(5.0, 7.0));  
 System.*out*.println(polyExOne.getNum(3, 6, 9));  
  
 System.*out*.println(x/y);  
  
 System.*out*.println(*getValue*(3.0, 7.0));  
 System.*out*.println(*getValue*(9.0, 7.0, 6.0));  
 System.*out*.println(*getValue*(5, 8));  
  
  
 }  
  
 public int getNum(int x, int y){  
 return x+y;  
 }  
  
  
 public int getNum(int x, int y, int z){  
 return x+y+z;  
 }  
  
 public int getNum(double x, double y){  
 int z = (int) (x+y);  
 return z;  
 }  
  
 public static double getValue(double a, double b){  
 return a+b;  
 }  
  
 public static double getValue(double a, double b, double c){  
 return a+b+c;  
 }  
  
 public static double getValue(int a, int b){  
 double y = a+b;  
 return y;  
 }  
  
}

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 System.*out*.println(z);  
  
  
 }  
  
  
}  
  
class Demo{  
  
 public void run(){  
 System.*out*.println("Hello!");  
 }  
  
}

package demoone;  
  
public class TestOne {  
  
 String name;  
 String cls;  
  
 public String getName() {  
 return name;  
 }  
  
 public void setName(String name) {  
 this.name = null;  
 }  
  
 public String getCls() {  
 return cls;  
 }  
  
 public void setCls(String cls) {  
 this.cls = cls;  
 }  
}