package 运动员和教练;

public class BasketballCoach extends Coach {

public BasketballCoach() {

}

public BasketballCoach(String name, int age) {

super(name, age);

}

public void teach() {

System.out.println("篮球教练教如何运球和投篮");

}

public void eat() {

System.out.println("篮球教练吃羊肉，喝羊奶");

}

}

public class BasketballPlayer extends Player {

public BasketballPlayer() {

}

public BasketballPlayer(String name, int age) {

super(name, age);

}

public void study() {

System.out.println("篮球运动员学习如何运球和投篮");

}

public void eat() {

System.out.println("篮球运动员吃牛肉，喝羊奶 ");

}

}

public abstract class Coach extends Person {

public Coach() {

}

public Coach(String name, int age) {

super(name, age);

}

public abstract void teach();

}

public abstract class Person {

private String name;

private int age;

public Person() {

}

public Person(String name, int age) {

this.name = name;

this.age = age;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public int getAge() {

return age;

}

public void setAge(int age) {

this.age = age;

}

public abstract void eat();

}

public class PingPangCoach extends Coach implements SpeakEnglish {

public PingPangCoach() {

}

public PingPangCoach(String name, int age) {

super(name, age);

}

public void teach() {

System.out.println("乒乓球教练教如何发球和接球");

}

public void eat() {

System.out.println("乒乓球教练吃小白菜，喝大米粥");

}

public void speak() {

System.out.println("乒乓球教练说英语");

}

}

public class PingPangPlayer extends Player implements SpeakEnglish {

public PingPangPlayer() {

}

public PingPangPlayer(String name, int age) {

super(name, age);

}

public void study() {

System.out.println("乒乓球运动员学习如何发球和接球");

}

public void eat() {

System.out.println("乒乓球运动员吃大白菜，喝小米粥");

}

public void speak() {

System.out.println("乒乓球运动员说英语");

}

}

public abstract class Player extends Person {

public Player() {

}

public Player(String name, int age) {

super(name, age);

}

public abstract void study();

}

public interface SpeakEnglish {

public abstract void speak();

}

/\*

测试类

\*/

public class PersonDemo {

public static void main(String[] args) {

//创建对象

PingPangPlayer ppp = new PingPangPlayer();

ppp.setName("王浩");

ppp.setAge(30);

System.out.println(ppp.getName()+","+ppp.getAge());

ppp.eat();

ppp.study();

ppp.speak();

System.out.println("--------");

BasketballPlayer bp = new BasketballPlayer();

bp.setName("姚明");

bp.setAge(35);

System.out.println(bp.getName()+","+bp.getAge());

bp.eat();

bp.study();

}

}