|  |  |
| --- | --- |
|  | package bai1; |
|  |  |
|  |
|  |
|  |
|  |
|  | public class Hangsanxuat { |
|  | private String tenHangsanxuat; |
|  | private String tenQuocgia; |
|  |  |
|  | public Hangsanxuat() { |
|  | } |
|  |  |
|  | public Hangsanxuat(String tenHangsanxuat, String tenQuocgia) { |
|  | this.tenHangsanxuat = tenHangsanxuat; |
|  | this.tenQuocgia = tenQuocgia; |
|  | } |
|  |  |
|  | public String getTenHangsanxuat() { |
|  | return tenHangsanxuat; |
|  | } |
|  |  |
|  | public void setTenHangsanxuat(String tenHangsanxuat) { |
|  | this.tenHangsanxuat = tenHangsanxuat; |
|  | } |
|  |  |
|  | public String getTenQuocgia() { |
|  | return tenQuocgia; |
|  | } |
|  |  |
|  | public void setTenQuocgia(String tenQuocgia) { |
|  | this.tenQuocgia = tenQuocgia; |
|  | } |
|  |  |
|  |  |
|  |  |
|  | } |
|  | public class MayBay extends Phuongtiendichuyen { |
|  |  |
|  | private String loainhienlieu; |
|  |  |
|  | public MayBay() { |
|  | } |
|  |  |
|  | public MayBay(String loainhienlieu) { |
|  | this.loainhienlieu = loainhienlieu; |
|  | } |
|  |  |
|  | public MayBay(String loainhienlieu, String loaiphuongtien, Hangsanxuat hangsanxuat) { |
|  | super(loaiphuongtien, hangsanxuat); |
|  | this.loainhienlieu = loainhienlieu; |
|  | } |
|  |  |
|  | public String getLoainhienlieu() { |
|  | return loainhienlieu; |
|  | } |
|  |  |
|  | public void setLoainhienlieu(String loainhienlieu) { |
|  | this.loainhienlieu = loainhienlieu; |
|  | } |
|  |  |
|  | public void catCanh() { |
|  | System.out.println("may bay cat canh"); |
|  | } |
|  |  |
|  | public void haCanh() { |
|  | System.out.println("may bay ha canh"); |
|  | } |
|  | @Override |
|  | public double layVantoc() { |
|  | return 320; |
|  | } |
|  |  |
|  |  |
|  | } |
|  | public abstract class Phuongtiendichuyen extends Hangsanxuat { |
|  | protected String loaiphuongtien; |
|  | protected Hangsanxuat hangsanxuat; |
|  |  |
|  | public Phuongtiendichuyen() { |
|  | } |
|  |  |
|  | public Phuongtiendichuyen(String loaiphuongtien, Hangsanxuat hangsanxuat) { |
|  | this.loaiphuongtien = loaiphuongtien; |
|  | this.hangsanxuat = hangsanxuat; |
|  | } |
|  |  |
|  | public Phuongtiendichuyen(String loaiphuongtien, Hangsanxuat hangsanxuat, String tenHangsanxuat, String tenQuocgia) { |
|  | super(tenHangsanxuat, tenQuocgia); |
|  | this.loaiphuongtien = loaiphuongtien; |
|  | this.hangsanxuat = hangsanxuat; |
|  | } |
|  |  |
|  | public String latTenhangsanxuat(){ |
|  | return super.getTenHangsanxuat(); |
|  |  |
|  | } |
|  | public void batDau(){ |
|  |  |
|  | } |
|  | public void tangToc(){ |
|  |  |
|  | } |
|  | public void dungLai(){ |
|  |  |
|  | } |
|  | abstract double layVantoc(); |
|  |  |
|  | } |

|  |  |
| --- | --- |
|  | public class XeOto extends Phuongtiendichuyen { |
|  | private String loainhienlieu; |
|  |  |
|  | public XeOto() { |
|  | } |
|  |  |
|  | public XeOto(String loainhienlieu) { |
|  | this.loainhienlieu = loainhienlieu; |
|  | } |
|  |  |
|  | public XeOto(String loainhienlieu, String loaiphuongtien, Hangsanxuat hangsanxuat) { |
|  | super(loaiphuongtien, hangsanxuat); |
|  | this.loainhienlieu = loainhienlieu; |
|  | } |
|  |  |
|  | public XeOto(String loainhienlieu, String loaiphuongtien, Hangsanxuat hangsanxuat, String tenHangsanxuat, String tenQuocgia) { |
|  | super(loaiphuongtien, hangsanxuat, tenHangsanxuat, tenQuocgia); |
|  | this.loainhienlieu = loainhienlieu; |
|  | } |
|  |  |
|  | public String getLoainhienlieu() { |
|  | return loainhienlieu; |
|  | } |
|  |  |
|  | public void setLoainhienlieu(String loainhienlieu) { |
|  | this.loainhienlieu = loainhienlieu; |
|  | } |
|  |  |
|  | public String getLoaiphuongtien() { |
|  | return loaiphuongtien; |
|  | } |
|  |  |
|  | public void setLoaiphuongtien(String loaiphuongtien) { |
|  | this.loaiphuongtien = loaiphuongtien; |
|  | } |
|  |  |
|  | public Hangsanxuat getHangsanxuat() { |
|  | return hangsanxuat; |
|  | } |
|  |  |
|  | public void setHangsanxuat(Hangsanxuat hangsanxuat) { |
|  | this.hangsanxuat = hangsanxuat; |
|  | } |
|  |  |
|  |  |
|  | @Override |
|  | double layVantoc() { |
|  | return 80; |
|  | } |
|  |  |
|  | } |

|  |  |
| --- | --- |
|  | public class Xedap extends Phuongtiendichuyen{ |
|  |  |
|  | public Xedap() { |
|  | } |
|  |  |
|  | public String getLoaiphuongtien() { |
|  | return loaiphuongtien; |
|  | } |
|  |  |
|  | public void setLoaiphuongtien(String loaiphuongtien) { |
|  | this.loaiphuongtien = loaiphuongtien; |
|  | } |
|  |  |
|  | public Hangsanxuat getHangsanxuat() { |
|  | return hangsanxuat; |
|  | } |
|  |  |
|  | public void setHangsanxuat(Hangsanxuat hangsanxuat) { |
|  | this.hangsanxuat = hangsanxuat; |
|  | } |
|  |  |
|  |  |
|  |  |
|  | @Override |
|  | double layVantoc() { |
|  | return 15; |
|  | } |
|  |  |
|  | } |

|  |  |
| --- | --- |
|  | public class main { |
|  |  |
|  | public static void main(String[] args) { |
|  | MayBay mb = new MayBay(); |
|  | mb.setLoainhienlieu("dau"); |
|  | System.out.println("nhien lieu:" + mb.getLoainhienlieu()); |
|  | mb.catCanh(); |
|  | mb.haCanh(); |
|  | Phuongtiendichuyen p1 = new MayBay(); |
|  | System.out.println("vt may bay:" + p1.layVantoc()); |
|  |  |
|  | XeOto ot = new XeOto(); |
|  | ot.setLoainhienlieu("dau"); |
|  | System.out.println("nhien lieu:" + ot.getLoainhienlieu()); |
|  | Phuongtiendichuyen p2 = new XeOto(); |
|  | System.out.println("vt oto:" + p2.layVantoc()); |
|  |  |
|  | Phuongtiendichuyen p3 = new Xedap(); |
|  | System.out.println("vt xe may:" + p3.layVantoc()); |
|  |  |
|  | } |
|  | } |