1.

package lab07;

class HangSanXuat{

public String tenHangSanXuat;

public String tenQuocGia;

}

abstract class PhuongTienDiChuyen {

String loaiPhuongTien;

HangSanXuat hangSanXuat;

public String layTenHangSanXuat() {

return "khong co hang";

}

public void batDau() {

System.out.println("bat dau");

}

public void tangToc() {

System.out.println("tang toc");

}

public void dungLai() {

System.out.println("dung lai ");

}

public abstract double layVanToc();

}

class MayBay extends PhuongTienDiChuyen{

protected String loaiNhienLieu;

public void catCanh() {

System.out.println(" i can fly");

}

public void haCanh() {

System.out.println(" ha canh trong 3s");

}

@Override

public double layVanToc() {

return 120;

}

}

class XeOTo extends PhuongTienDiChuyen{

String loaiNhienLieu;

@Override

public double layVanToc() {

return 0;

}

}

class XeDap extends PhuongTienDiChuyen{

@Override

public double layVanToc() {

return 0;

}

}

public class bai1\_lab07 {

public static void main(String[] args) {

MayBay mb1=new MayBay();

XeOTo oto1=new XeOTo();

XeDap xd1=new XeDap();

System.out.println(mb1.layVanToc());

System.out.println(oto1.layVanToc());

System.out.println(xd1.layVanToc());

}

}

2.

package lab07;

interface Moverable{

public void moveUp();

public void moveDown();

public void moveLeft();

public void moveRight();

}

class MovereablePoint implements Moverable{

int x,y;

int xSpeed;

int ySpeed;

public MovereablePoint(int x, int y, int xSpeed, int ySpeed) {

super();

this.x = x;

this.y = y;

this.xSpeed = xSpeed;

this.ySpeed = ySpeed;

}

public MovereablePoint() {}

@Override

public void moveUp() {

System.out.println("move up");

}

@Override

public void moveDown() {

System.out.println("move Down");

}

@Override

public void moveLeft() {

System.out.println("move left");

}

@Override

public void moveRight() {

System.out.println("move Right");

}

@Override

public String toString() {

return "MovereablePoint=" +x+"y="+xSpeed+ySpeed;

}

}

class MoverableCircle implements Moverable{

public int radius;

public MovereablePoint center;

@Override

public void moveUp() {

System.out.println("move up");

}

@Override

public void moveDown() {

System.out.println("move Down");

}

@Override

public void moveLeft() {

System.out.println("move left");

}

@Override

public void moveRight() {

System.out.println("move Right");

}

public MoverableCircle(int radius, MovereablePoint center) {

super();

this.radius = radius;

this.center = center;

}

public MoverableCircle() {}

public String toString() {

return "MoverableCircle [radius=" + radius + ", center=" + center + "]";

}

}

public class bai2 {

public static void main(String[] args) {

MoverableCircle mc1=new MoverableCircle();

MovereablePoint mp1=new MovereablePoint();

mc1.moveDown(); mc1.moveLeft();mc1.moveRight();mc1.moveUp();

mp1.moveDown(); mp1.moveLeft();mp1.moveRight();mp1.moveUp();

}

}