

```

public abstract class DiaOc {
    protected int id;
    protected double length;
    protected double width;

    public DiaOc(int id, double length, double width) {
        this.id = id;
        this.length = length;
        this.width = width;
    }

    public double getWidth() {
        return width;
    }

    public abstract double calculatePrice();

    public double getArea() {
        return length * width;
    }
}

public interface PhiKinhDoanh {
    double Price(double price);
}

// House.java
public class Nha extends DiaOc {
    private int floors;

    public Nha(int id, double length, double width, int floors) {

```

```
    super(id, length, width);  
    this.floors = floors;  
}
```

```
@Override  
public double calculatePrice() {  
    return getArea() * 10000 + floors * 100000;  
}  
}
```

// Hotel.java

```
public class KhachSan extends DiaOc implements PhiKinhDoanh {  
    private int stars;
```

```
  
    public KhachSan(int id, double length, double width, int stars) {  
        super(id, length, width);  
        this.stars = stars;  
    }
```

```
@Override  
public double calculatePrice() {  
    return 100000 + stars * 50000;  
}
```

```
@Override  
public double Price (double price){  
    return price * 5000;  
}  
}
```

// Villa.java

```
public class BietThu extends DiaOc {
```

```
  
    public BietThu(int id, double length, double width) {  
        super(id, length, width);
```

```
}
```

```
@Override
```

```
public double calculatePrice() {
```

```
    return getArea() * 400000;
```

```
}
```

```
public double Price (double price){
```

```
    return price * 1000;
```

```
}
```

```
}
```

```
// Land.java
```

```
public class Dat extends DiaOc {
```

```
    public Dat(int id, double length, double width) {
```

```
        super(id, length, width);
```

```
}
```

```
@Override
```

```
public double calculatePrice() {
```

```
    return getArea() * 10000;
```

```
}
```

```
}
```

```
public class Main {
```

```
    public static void main (String[] args) {
```

```
        Dat dat = new Dat(0, 15.0,20.0);
```

```
        Nha nha = new Nha(1, 20.0, 30.0, 2);
```

```
        KhachSan khachSan = new KhachSan(2, 10, 20, 5);
```

```
        BietThu bietThu = new BietThu(3, 25.0, 35.0);
```

```
        System.out.println("Gia dat: " + (long) dat.calculatePrice());
```

```
        System.out.println("Gia nha: " + (long) nha.calculatePrice());
```

```
        System.out.println("Gia khach san: " + (long) khachSan.calculatePrice());
```

```
        System.out.println("Phi kinh doanh khach san: " + (long)  
khachSan.Price(khachSan.getWidth()));
```

```

    long tong1 = (long) khachSan.calculatePrice() + (long)
khachSan.Price(khachSan.getWidth());

    System.out.println("Gia khach san + phi kinh doanh: " + tong1);

    System.out.println("Gia biet thu: " + (long) bietThu.calculatePrice());

    long tong2 = (long) bietThu.calculatePrice() + (long) bietThu.Price(bietThu.getWidth());

    System.out.println("Phi kinh doanh biet thu: " + (long)
bietThu.Price(bietThu.getWidth()));

    System.out.println("Gia biet thu + phi kinh doanh: " + tong2);
}
}

```

