

```
package oop;
```

```
public class Kitap {
```

```
    private String kitapAd;
```

```
    private String yazar;
```

```
    private String ISBN;
```

```
    private int rafNo;
```

```
    private int sira;
```

```
    public Kitap(String kitapAd, String yazar, String isbn, int rafNo, int sira) {
```

```
        this.kitapAd = kitapAd;
```

```
        this.yazar = yazar;
```

```
        ISBN = isbn;
```

```
        this.rafNo = rafNo;
```

```
        this.sira = sira;
```

```
    }
```

```
    public String getKitapAd() {
```

```
        return kitapAd;
```

```
    }
```

```
    public String getYazar() {
```

```
        return yazar;
```

```
    }
```

```
    public String getISBN() {
```

```
        return ISBN;
```

```
    }
```

```
    public int getRafNo() {
```

```
        return rafNo;
```

```
    }
```

```
    public int getSira() {
```

```
        return sira;
```

```
    }
```

```
}
```

```
package oop;
```

```
import java.util.LinkedList;
```

```
public class Raf {
```

```
    LinkedList<Kitap> kitaplar;
```

```
    public Raf() {
```

```
        this.kitaplar = new LinkedList<Kitap>();
```

```
    }
```

```
    public void KitapEkle(Kitap ktp){
```

```
        this.kitaplar.add(ktp);
```

```
    }
```

```
    public Kitap kitapSil(int index){
```

```
        Kitap kitap;
```

```
        kitap = this.kitaplar.remove(index);
```

```
        return kitap;
```

```
    }
```

```
}
```

```
package oop;
```

```
public class Kitaplik {
```

```
    Raf raf[];
```

```
    public Kitaplik(int rafsayi) {  
        raf = new Raf[rafsayi];  
        for (int i = 0; i < rafsayi; i++) {  
            raf[i] = new Raf();  
        }  
    }
```

```
    public void kitapEkle(Kitap ktp) {  
        raf[ktp.getRafNo()].KitapEkle(ktp);  
    }
```

```
    public Kitap kitapSil(Kitap kitap){  
        return raf[kitap.getRafNo()].kitaplar.indexOf(kitap);  
    }
```

```
    public Kitap kitapAra(String kitapAdi){  
        for(int i = 0; i < raf.length; i++)  
            for(Kitap kitap:raf[i].kitaplar)  
                if(kitap.getKitapAd().compareTo(kitapAdi) == 0)  
                    return kitap;  
        return null;  
    }
```

```
    public boolean rafKontrol(int rafno){  
        if (raf[rafno] == null) {  
            return false;  
        }else{  
            return true;  
        }  
    }
```

```
    public void gosterRaf(int rafno) {  
        System.out.println(rafno + ". Raftaki Kitaplar...\nKitap Adı\t\tYazar\t\tISBN");  
        for(int i = 0; i < raf[rafno].kitaplar.size(); i++){  
            System.out.println(raf[rafno].kitaplar.get(i).getKitapAd() +  
                "\t" + raf[rafno].kitaplar.get(i).getYazar() + "\t" +  
                raf[rafno].kitaplar.get(i).getISBN());  
        }  
        System.out.println("\n\n");  
    }
```

```
}
```

```
package oop;
```

```
import java.util.Scanner;
```

```
public class Basla {
```

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

```
        int rafsayisi = 5;
```

```
        Kitaplik kitaplik = new Kitaplik(rafsayisi);
```

```
        Kitap ktp1, ktp2, ktp3;
```

```
        ktp1 = new Kitap("Pera Palas'ta Gece Yarısı", "Charles King", "978-605-105-148-2",  
1, 1);
```

```
        ktp2 = new Kitap("Ali Emîrî'nin İzinde ", "M. Serhan Tayşi",  
"978-975-263-956-0", 1, 0);
```

```
        ktp3 = new Kitap("Bir Türk Ailesinin Öyküsü", "İrfan Orga", "978-975-289-567-6", 2,  
2);
```

```
        kitaplik.kitapEkle(ktp1);
```

```
        kitaplik.kitapEkle(ktp2);
```

```
        kitaplik.kitapEkle(ktp3);
```

```
        kitaplik.gosterRaf(0);
```

```
        kitaplik.gosterRaf(1);
```

```
        kitaplik.kitapSil(ktp1);
```

```
        kitaplik.gosterRaf(1);
```

```
        kitaplik.gosterRaf(2);
```

```
        Scanner giris = new Scanner(System.in);
```

```
        int no;
```

```
        do{
```

```
            System.out.println("Raf numarası giriniz: ");
```

```
            no = giris.nextInt();
```

```
        }while(!kitaplik.rafKontrol(no));
```

```
        kitaplik.gosterRaf(no);
```

```
        giris.close();
```

```
    }
```

```
}
```