

1-

```
public void boyutKontrol() {
    int hashVal;
    int tempElemanSayisi = 0;
    if (elemanSayisi >= (arraySize * 2 / 3)) {
        int tempSize = asalGetir(arraySize * 2);
        DataItem[] tempHash = new DataItem[tempSize];
        for (int i = 0; i < arraySize; i++) {
            if (hashArray[i] != null && hashArray[i].getKey() != -1) {
                hashVal = hashFunc(hashArray[i].getKey());
                while (tempHash[hashVal] != null && tempHash[hashVal].getKey() != -1) {
                    ++hashVal;
                    hashVal %= tempSize;
                }
                tempHash[hashVal] = hashArray[i];
                tempElemanSayisi++;
            }
        }
        hashArray = tempHash;
        elemanSayisi = tempElemanSayisi;
        arraySize = tempSize;
    }
}

private int asalGetir(int min)
{
    for (int j = min + 1; true; j++)
        if (asalMi(j))
            return j;
}

private boolean asalMi(int n)
{
    for (int j = 2; (j * j <= n); j++)
        if (n % j == 0)
            return false;
    return true;
}
```

```

2- public boolean deleteRange1(int first,int last) {
    if (head==null)
        return false;
    else {
        int id=1;
        Link previous= null;
        Link current= head;

        while (current != null && id != first) {
            id++;
            previous = current;
            current = current.next;
        }

        while (current != null && id != last) {
            id++;
            current = current.next;
        }
        if (previous==null)
            head=current.next;
        else
            previous.next=current.next;
        return true;
    }
}

```

```

public boolean deleteRange2(int first, int last) {
    if (head==null)
        return false;
    else {
        int id=1;
        Link current=head;
        while (current!=null && id!=first) {
            current=current.next;
            id++;
        }
        Link temp;
        for (int i=first;i<=last;i++) {
            temp=current.next;
            delete(current.iData);
            current=temp;
        }
        return true;
    }
}

```

3- 5 4 3 2 1 – Büyük değeri ekrana yazıp listeden siler.

4- 55 – listeden verilerin karelerinin toplamını alır.

5-b 6-d 7-c 8-c 9-a 10-b 11-b