

```
1: //Recursive binary search in an array
2:
3: #include<stdio.h>
4:
5: int RBinSearch(int a[],int l,int h,int key)
6: {
7:
8:     int mid=0;
9:     if(l<=h)
10:    {
11:        mid=(l+h)/2;
12:        if(key==a[mid])
13:            return mid;
14:        else if(key<a[mid])
15:            return RBinSearch(a,l,mid-1,key);
16:    }
17:    else
18:        return RBinSearch(a,mid+1,h,key);
19:    return -1;
20: }
21:
22:
23: int main()
24: {
25:     int a[]={2,3,9,16,18,21,28,32,35};
26:     printf("%d",RBinSearch(a,0,,16));
27:     return 0;
28: }
```