

```
1 def binarysearch(A, key, low, high):
2     if low > high :
3         return False
4     else :
5         mid = (low + high) // 2
6         if key == A[mid]:
7             return True
8         elif key < A[mid] :
9             return binarysearch(A, key, low, mid-1)
10        else:
11            return binarysearch(A, key, mid+1, high)
12
13 A = [15, 21, 47, 84, 96]
14 found = binarysearch(A,8,0,5)
15 print('The Element 8: ', found)
16
```