**Binary Search:**

def binary\_search(arr,low,high,x):

if high>=low:

mid=(high + low)//2

if x == arr[mid]:

return mid

elif arr[mid] > x:

return binary\_search(arr,low,mid-1,x)

else:

return binary\_search(arr,mid+1,high,x)

else:

return -1

arr=[2,4,6,8,10]

x=8

result=binary\_search(arr,0,len(arr)-1,x)

if result != -1:

print("element present at ",str(result))

else:

print("not found")