Jump Search

```
import math
def jumpSearch( arr , x , n ):
   step = math.sqrt(n)
   prev = 0
   while arr[int(min(step, n)-1)] < x:
       prev = step
       step += math.sqrt(n)
       if prev >= n:
   while arr[int(prev)] < x:</pre>
       prev += 1
       if prev == min(step, n):
   if arr[int(prev)] == x:
       return prev
arr = [ 0, 1, 1, 2, 3, 5, 8, 13, 21,
x = 55
n = len(arr)
```

```
# Find the index of 'x' using Jump Search
index = jumpSearch(arr, x, n)
# Print the index where 'x' is located
print("Number" , x, "is at index" ,"%.0f"%index)
```