```
Input: Sorted array, size of array and element to search for Output: Index of element in array if found, or -1

procedure Binary_Search(array, n, element)

L \leftarrow 0
R \leftarrow n-1
while L \leq R do
m \leftarrow \lfloor (L+R)/2 \rfloor
if array[m] == element then return m
else if array[m] < element then
l \leftarrow m+1
else
r \leftarrow m-1
return -1
```