

```
numbers = [16, 19, 21, 27, 36, 42, 55, 67, 76, 89]

end = len(numbers) - 1
start = 0
found = False

searchValue = int(input("Enter a search value: "))

while not found and start <= end:
    mid = (end + start) // 2
    if searchValue == numbers[mid]:
        found = True
    elif searchValue > numbers[mid]:
        start = mid + 1
    else:
        end = mid - 1

if found:
    print("The number is found")
else:
    print("Not found")
```