

To write a Python Program to perform Linear Search

Python 

```
def linear_search(alist, key):  
    """Return index of key in alist. Return -1 if key not present."""  
    for i in range(len(alist)):  
        if alist[i] == key:  
            return i  
    return -1  
  
# Input and conversion  
alist = input('Enter the list of numbers: ')  
alist = alist.split()  
alist = [int(x) for x in alist]  
  
key = int(input('Enter the number to search for: '))  
  
# Perform linear search  
index = linear_search(alist, key)  
  
# Display result  
if index < 0:  
    print('{} was not found.'.format(key))  
else:  
    print('{} was found at index {}'.format(key, index))
```

OUTPUT:

Enter the list of numbers: 2 3 4 5 6 8 7

The number to search for: 4

4 was found at index 2.

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