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(7)

main.py   Run

```python
1  def length(x):
2      len(x)
3  n = int(input("enter size of array :"))
4  x = []
5  for i in range(0,n):
6      element = int(input("enter the element of array :"))
7      x.append(element)
8  print("the length of the array is :",lenghth(x))
9
```

```
Enter size of array:3
Enter the element of the array1
Enter the element of the array2
Enter the element of the array3
The Length of the array is   3
```

(8)

main.py   Run

```python
1  def fun(list, item):
2      list.append(item)
3  n=int(input("enter size of array :"))
4  x = []
5  for i in range(0,n):
6      item = int(input("enter item :"))
7      fun(x, item)
8  check = input("enter the item you want to check")
9  if check in x :
10     print("your item" ,check, "is in the list")
11 else: print("your item",check, "is not in the list")
```

Shell

```
enter size of array :3
enter item :1
enter item :2
enter item :3
enter the item you want to check5
your item 5 is not in the list
>
```