

**Aim:**

To check if in two given lists of integers, any value occur in common.

**Algorithm:**

```
list1=[2,5,3,4,1,8,34]
print("list 1 is",list1)
list2=[5,4,7,8,1]
print("list 2 is",list2)
print("new list with common elements are:")
list=[]
for i in list1:
    if i in list2:
        list.append(i)
print(list)
```

**Output:**

```
C:\Users\user\PycharmProjects\pythonProject\venv\Scripts>python.exe C:\Users\user\PycharmProjects\pythonProject\N_Code0004.py
list 1 is [2, 5, 3, 4, 1, 8, 34]
list 2 is [5, 4, 7, 8, 1]
new list with common elements are:
[5, 4, 1, 8]

Process finished with exit code 0
```