

\* Program :-

```
L1 = []  
num1 = int(input("enter the size of list L1 = "))  
for i in range(num1):  
    a = int(input("enter the value of a = "))  
    L1.append(a)  
Print("List L1 =", L1)  
L2 = []  
num2 = int(input("enter the size of list L2 = "))  
for j in range(num2):  
    b = int(input("enter the value of b = "))  
    L2.append(b)  
Print("List L2 =", L2)  
I = list(set(L2).intersection(L1))  
Print("Intersection of two list =", I)
```

Output:-

```
enter the size of list L1 = 4  
enter the value of a = 10  
enter the value of a = 20  
enter the value of a = 30  
enter the value of a = 40  
list L1 = [10, 20, 30, 40]  
enter the size of list L2 = 4  
enter the value of b = 15  
enter the value of b = 20  
enter the value of b = 30  
enter the value of b = 40  
list L2 = [15, 20, 30, 40]  
Intersection of two list = [40, 20, 30]
```

(A) *llly*