

1. You have two arrays as

```
arr1=array('i', [2, 3, 4])
```

```
arr2=array('f', [3.0, 4.0, 5.0])
```

What will be the answer of : `arr1 + arr2`

a) `array('f', [5.0, 6.0, 9.0])`

b) `array('i', [5, 6, 9])`

c) `TypeError`

d) None of the above

print correct answer

For example: a or b or c or d

2. You are given an array in a range (m,n). Your task is to find whether x is present in that array. if it is present then slice the original array till the first three-element and repeat the sliced array three times and concatenate it to the original array.

Input

The first line of the input contains space-separated integers m and n of the range

The second line contains an integer x

Output

final array

else print (x is not in the array)

Example Input

0 9

3

output

```
array('i', [0, 1, 2, 3, 4, 5, 6, 7, 8, 0, 1, 2, 0, 1, 2, 0, 1, 2])
```

Input

0 9

10

output

is not in the array

### **3. Find the integer in an array**

**Write a Python program that:**

- 1. Creates an array `student_marks` with initial marks for 5 students: `[85, 90, 78, 92, 88]`.**
- 2. Accesses and prints the marks of the 3rd student using indexing.**
- 3. Slices the array to get the marks of the top 3 students in descending order.**
- 4. Adds a new student's marks (95) to the end of the array using `append()`.**
- 5. Removes the marks of the student with the lowest marks using `index()` and `pop()`.**
- 6. Calculates and prints the average marks of the remaining students.**
- 7. Prints the updated array.**