1.	You are given input as a list of integers for array. Find out if an integer x is present in that list.	
Input		
The first line contains space-separated integers		
The second line of the input contains an integer x		
Output		
True or False		
Example		
Input		
1 2	3 4 5 6	
7		
Ou	tput	
Fal	se	
2.	Shashank is working at a medical shop. He was entering the numbers as quantities of the newly purchased medicines in the database. Mistakenly he entered negative numbers in the database. Find and replace those numbers with positive numbers.	
Inp	ut	
list	list of space-separated positive and negative integers	
Ou	tput	
an	array of positive numbers	
Example Input		
1 -!	1 -5 6 8 -9	
Output		
array('i', [1, 5, 6, 8, 9])		
3.	You are given an empty array e. The following task is to perform on that array using built-in functions.	
append		
insert		
remove		

рор	
reverse	
Input	
The first line of the input is an integer n that represents the number of lines	
The next n lines have the name of the operation and arguments required for that operation	
Output	
The final array after performing different operations using built in functions	
Example Input	
6	
append 6	
insert 15	
append 8	
рор	
remove 6	
reverse	
Output	
array('i', [5])	
4. You are given a list of heterogeneous elements. Iterate through that list and find if it belongs to an int or float or complex number. If that is true then double their values and reprint the list.	
input	
You are provided a list of elements	
Output	
perform above-mentioned task	
Example Input	
x=['a','b','c',1,2,3,True,False,1+6j,1.2]	
output	
['a', 'b', 'c', 2, 4 6, True, False, (2+12j), 2.4]	

5. You are given an empty list. Your task is to perform multiple operations as given in the input. Input The first line of the input contains the an integer n which repsents number of lines The next n lines contains space separated name of the function and arguments Output Perform different operations as per the given input and print final list **Example Input** 8 append 2 insert 0 1 extend 3 4 extend 5 pop remove 4 reverse sort output [1, 2, 3] 6. You are given a list of space-separated integers. Your task is to find out whether x number is present in the list. If it is found then print the fourth power of that number else print the cube of the second last number of the list. Input The first line of input is a list of space separated number The second line of input have an integer x Output If it is found then print the fourth power of that number else print the cube of the second last number of the list.

Example Input

123456		
7		
Output		
125		
 Write a Python program that performs the following operations: Creates a list student_info with student information: names, ages, and marks. Extracts and prints the names of students who are above 20 years old using list comprehension. Adds a new student to the list using append(). Inserts a student at the second position using insert(). Removes the student with the lowest average mark using list methods. Prints the information of the top 2 students with the highest average mark. Write a python program to print the following pattern: 		
* ** ** **		
9. Write a python program to print the following pattern:		
*** ** ** ** ** ** ** ** ** *		
10. Write a python program to print the following pattern:		
* ** ** ** ***		
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