1. Write a program to accept a non-empty sequence of numbers separated by comma. Print this sequence in the same line separated by comma after removing all duplicate values while preserving the original order. For example:

Input

6,5,9,2,6,9,5

Output

6,5,9,2

2. Accept a non-empty list of space-separated positive integers as input from the user and print all numbers in the list which are greater than the average in non-descending order. The output format should be a sequence of space-separated integers. For example:

Input

5 6 3 2 7 1 4 3

Output

4 5 6 7

3. Write a program to accept a string from the user that contains (,) , { , } and [,] in it. Print True if all the brackets are opened and closed properly. Otherwise print False .

Note:

{}[]() are the opening and closing brackets which needs to be verified - All the opening brackets should be closed with the same type of closing bracket.

Input	**Output**
(jhdhd}(sdddd){)	False
a(h{g$2[j)h]h}	False
{abc(ddd)ee[ff()dd]ee}	True

4. Accept electricity units as a positive integer from the user and write a program to print total bill amount according to the following criteria:

Units	**Cost per unit (Rs)**
0 to 100	0
101 to 200	5
201 to 500	8
501 and above	10

Example :

Input	**Output**
75	0
150	250
250	900

5. Accept a string from the user and print the encrypted string according to the following conditions:-

   Each letter should be replaced by the letter which is at the same position from reverse in alphabets like a is replaced by z , b is replaced by y ..... y is replaced by b , z is replaced by a

   Uppercase letters should be in uppercase and lowercase letters should be in lowercase after conversion.

   Each digit should be replaced by a digit which is at the same position from reverse in (0,1,2...9) like, 0 is replaced by 9 , 1 is replaced by 8 ..... 8 is replaced by 1 and 9 is replaced by 0 .

   Blank space should be replaced by '_' and other types of character remain the same.

Input	**Output**

abcde123	zyxwv876
This is Data Science course	Gsrh_rh_Wzgz_Hxrvmxv_xlfihv
abc@123.com	zyx@876.xln