1. Write a Python program that:
    1. Asks the user for their full name (first name, middle initial, last name).
    2. Using if condition validate the input using the following rules: First name and last name should have at least 3 characters. Middle initial should be a single character. First name, middle initial, and last name should start with a capital letter.
    3. If validation succeeds, extract the first letter of the first name, middle initial, and last name using string slicing.
    4.Concatenate the extracted letters to form the initials.
    5. Print the user's full name and initials.
2. Whenever a learner enrolled in any course, we send him/her a welcome message as follows

Hi [Name],

Congratulations! You have been enrolled in [Course Name]. We welcome you to this amazing journey ahead.

Best of luck!

Your task is to insert the name of the learner at [Name] and the name of the course at [Course Name]

Input

the input contains a comma-separated list of Name and Course Name

Output

The message that includes the name of the learner and the name of the course

Example Input

Rohit, Data Science

Output

Hi Rohit,

Congratulations! You have been enrolled in Data Science. We welcome you to this amazing journey ahead.

Best of luck!

3. Input

The first line of input contains an integer N which represents number of input lines Next, N number of lines contains interjection words

Output

message beginning with an interjection

Example

You are given a message : “ Type some string. ”

Input

3

Wow!

Hey!

Yay!

Output

Wow! It's raining.

Hey! It's raining.

Yay! It's raining.

4. You are given a string that included three leading spaces, three trailing spaces, and three spaces before Nelson.

Input

" The greatest glory in living lies not in never falling, but in rising every time we fall. - Nelson Mandela "

Your task is to remove all the unnecessary spaces and capitalize each word.

Expected output

The Greatest Glory In Living Lies Not In Never Falling, But In Rising Every Time We Fall. - Nelson Mandela

5. You are provided with some email addresses in the input. Your task is to split the email address at the '@' symbol and add 'www.' before the later split part.

Input

The first line of input contains an integer n representing the number of lines

Next, n number of lines contains email addresses

Output

split the email address at the '@' symbol and add 'www.' before the later split part.

Example Input

2

arun.verma1@gmail.com

sneha2134@yahoo.com

Output

www.gmail.com

www.yahoo.com

6. You are provided with some user names as input. The user name is a combination of first name, last name, and a number separated by underscore sign _

Your task is to remove the underscore sign and number from the user id and print the full names of users separated by space with the first letter as a capital letter.

Input

The first line of the input is an integer n representing the number of input lines

The n number of lines are containing user names

Output

remove the underscore sign and number from the user id and print the full names of users separated by space with the first letter as a capital letter.

Example Input

2

arun_shinde_1

komal_chavan_3

Output

Arun Shinde

Komal Chavan

7. You are given a password in the input check for the strong password which contains at least one capital letter, at least one number, at least one special character and at least one small letter

If all of the above conditions are satisfied print "Valid" else print "Not Valid"

Input

Input contains password

Output

If all of the above conditions are satisfied print "Valid" else print "Not Valid"

Example Input1

manGo@123

Output1

Valid

Input2

manGo123

Output2

Not Valid

8. An e-commerce company issues cashback to the consumers who purchase an item from their website.

They have a standard message to print as,

Congratulations, {Name}! You have won {Amount} rupees as refund.

~ E-commerce company

Write a python code that displays this message to every customer who receives cashback.

Input

The first line of the input contains an integer n which represents the number of consumers in the next n lines.

The next n lines contain a comma-separated list of customers and the amount of cashback.

Output

Print the above message that includes the name and amount in it.

Example Input

2

Nilesh,100

Minesh,50

Output

Congratulations, Nilesh! You have won 100 rupees as a refund.

~ E-commerce company

Congratulations, Minesh! You have won 50 rupees as a refund.

~ E-commerce company

9. Write a python function that takes a list of integers as input and returns a string where each integer is represented in binary form.

Example:

Input – numbers = [5, 10, 15, 20]

Output - "10101001111100010000"

The binary representation of 5 is "101", of 10 is "1010", of 15 is "1111", and of 20 is "10100".

Concatenating these binary representations together, we get the binary string "10101001111100010000".

10. Write a python code to check if a string is a pangram or not. A pangram is a sentence that contains every letter of the alphabet at least once.

Example:

Input - input_string = "The quick brown fox jumps over the lazy dog"

Output - is_pangram = True.

Input - input_string = "The quick brown fox"

Output - is_pangram = False.

11. Write a Python function to find the longest word in the given sentence. If 2 or more words are of same length, consider the first occurring word.

Example:

Input - input_string = "The quick brown fox jumps over the lazy dog"

Output - “quick”.