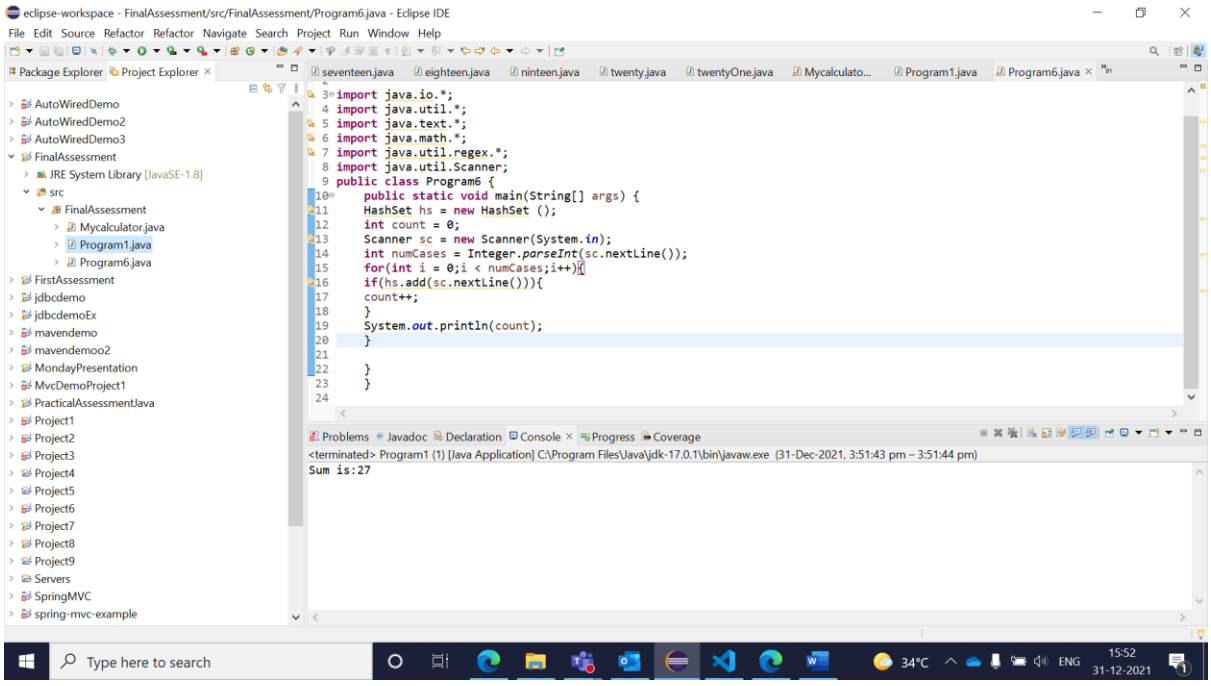
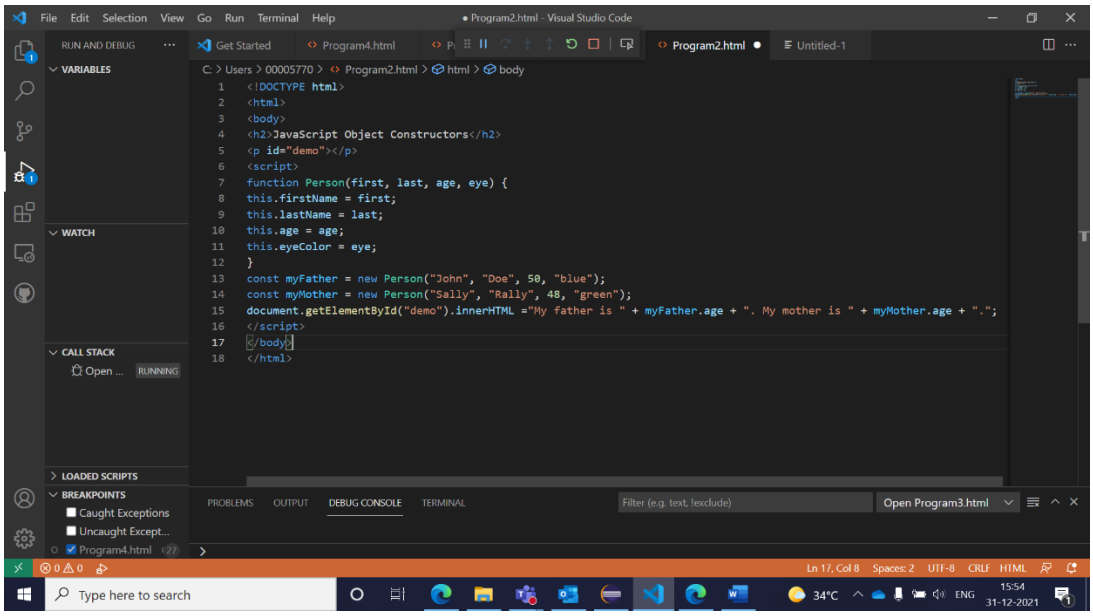
Name: Manjula B
Employee Id: 5770

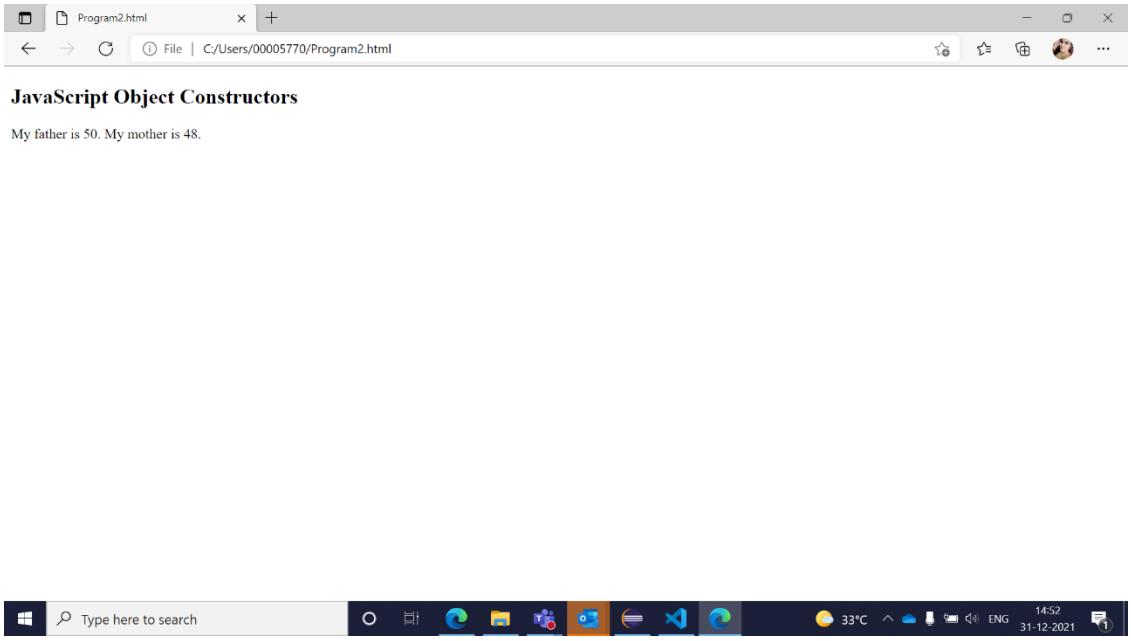
Final Practical Assessment Java-Answers

1) **Write a program to extract the values 5,6,7,9 from the array [2,3,4,5,6,7,9,10,1,6] and display it's sum i.e 27 (5+6+7+9).**

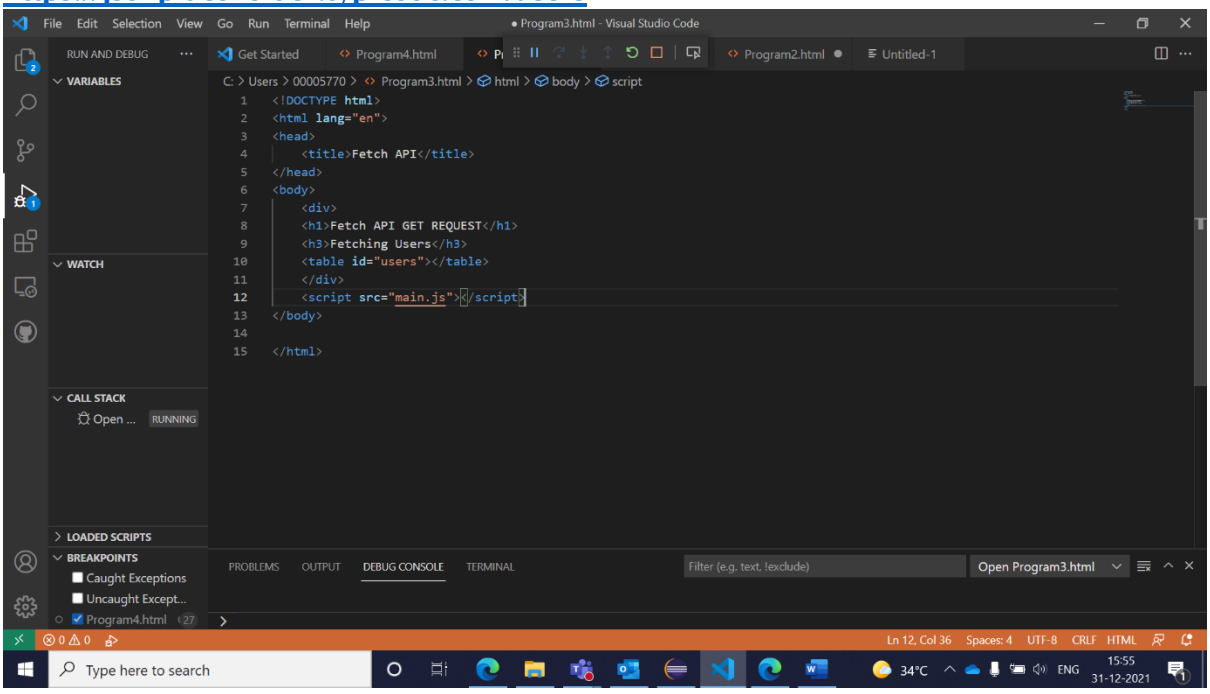


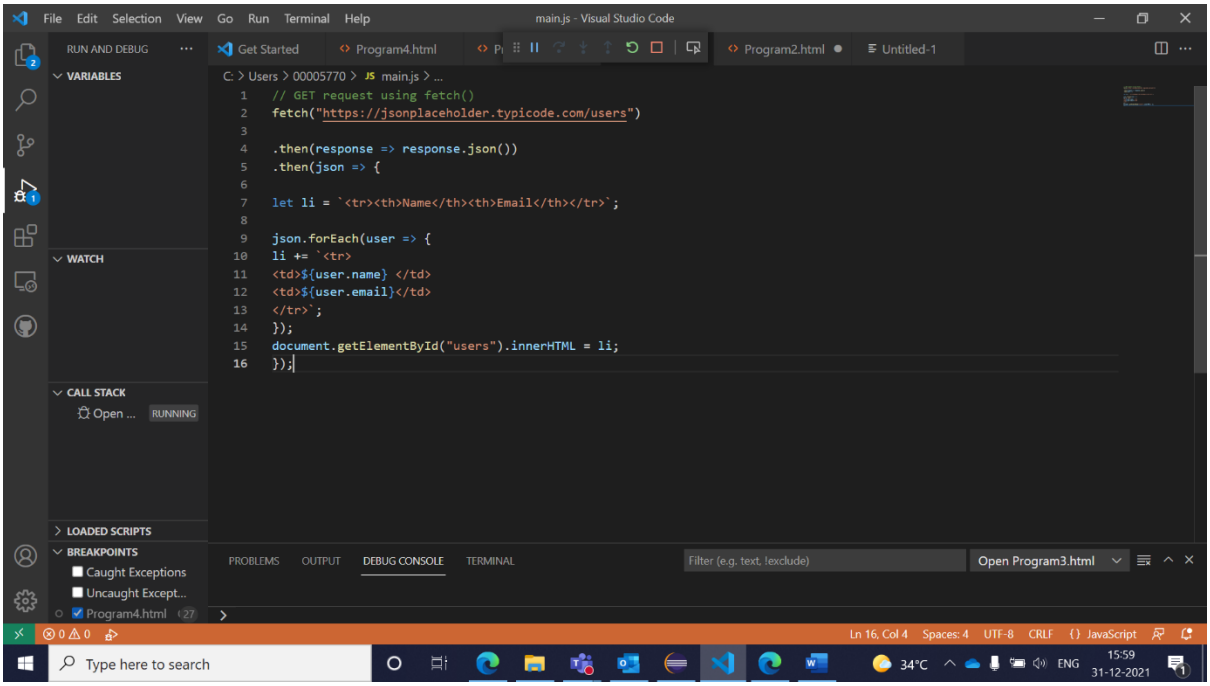
2) **Make an Object with the help of the JavaScript Constructor Function (Object Constructors)**

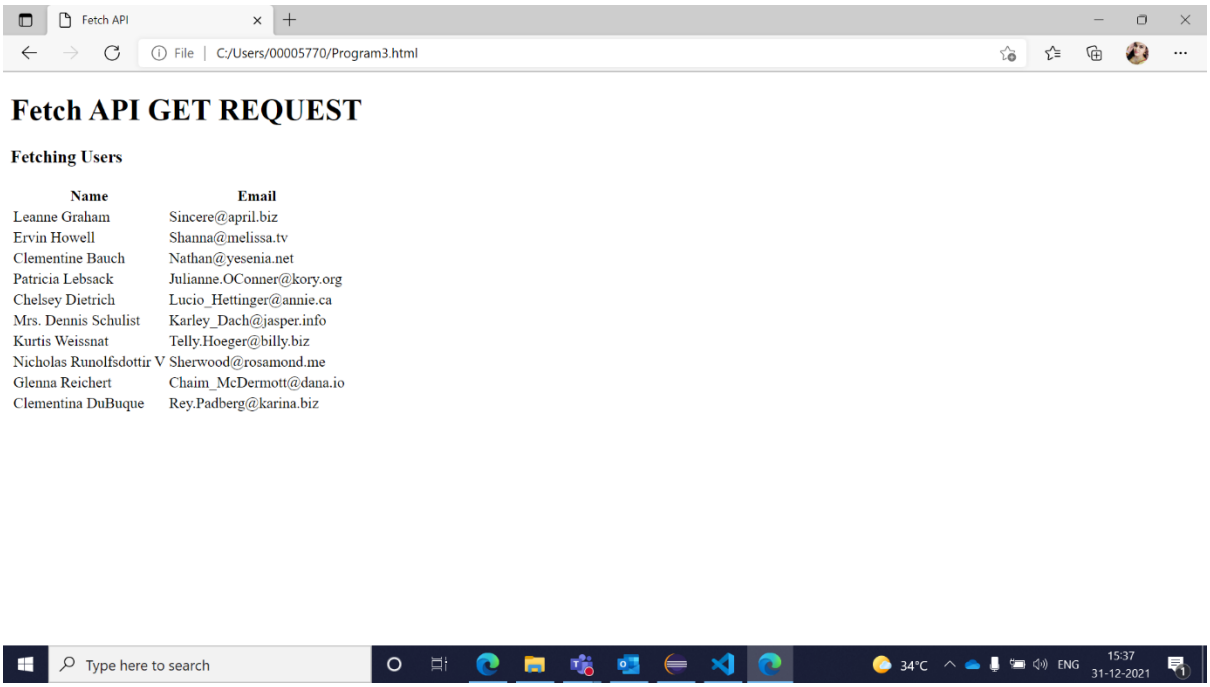




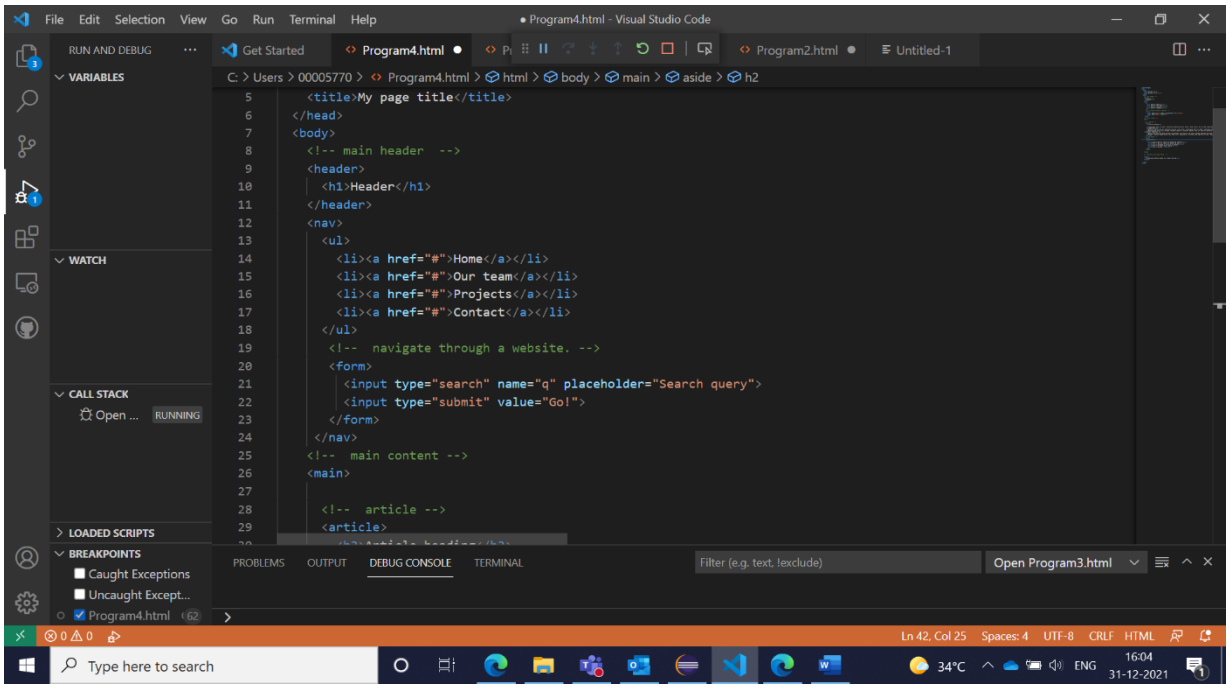
3) Write a program that fetches the users from the given API and displays and then console log their Email addresses. API:
https://jsonplaceholder.typicode.com/users

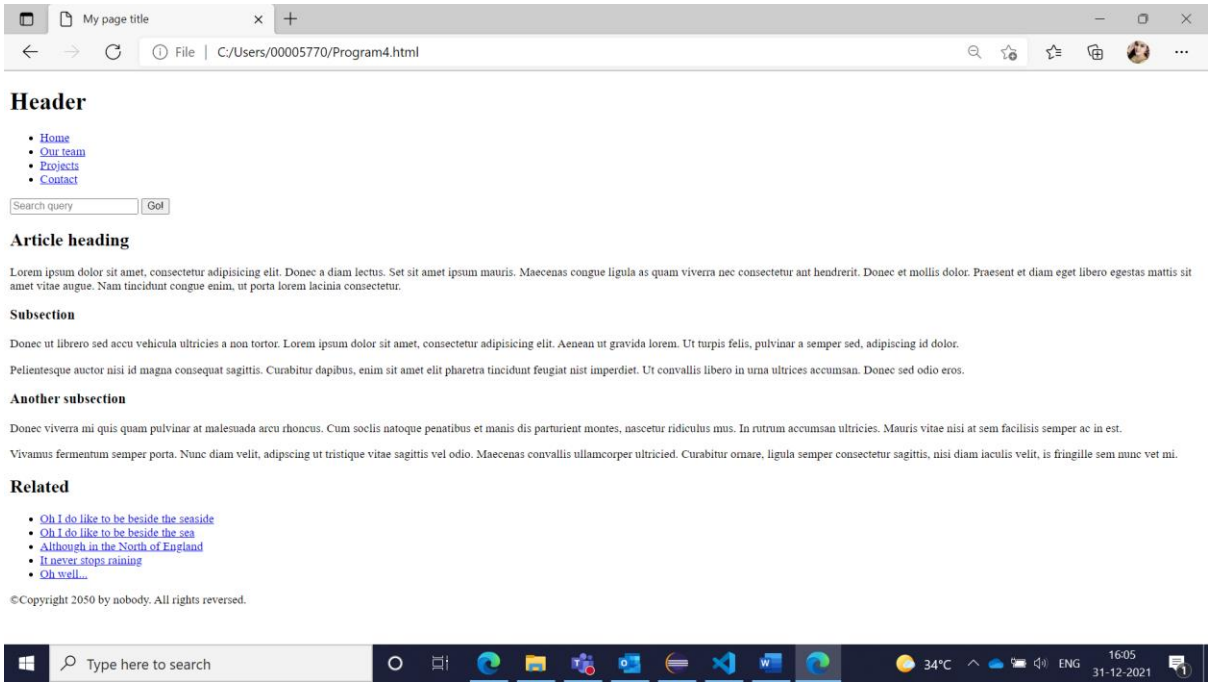



File Edit Selection View Go Run Terminal Help
main.js - Visual Studio Code
RUN AND DEBUG
VARIABLES
WATCH
CALL STACK
Open ... RUNNING
LOADED SCRIPTS
BREAKPOINTS
Caught Exceptions
Uncaught Except...
Program4.html 27
Get Started
Program4.html
Program2.html
Untitled-1
C: > Users > 00005770 > JS main.js > ...
// GET request using fetch()
fetch("https://jsonplaceholder.typicode.com/users")
.then(response => response.json())
.then(json => {
let li = `<tr><th>Name</th><th>Email</th></tr>`;
json.forEach(user => {
li += `<tr>
<td>${user.name} </td>
<td>${user.email}</td>
</tr>`;
});
document.getElementById("users").innerHTML = li;
});
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Filter (e.g. text, !exclude)
Open Program3.html
Ln 16, Col 4 Spaces: 4 UTF-8 CRLF {} JavaScript
Type here to search
34°C
ENG
15:59
31-12-2021

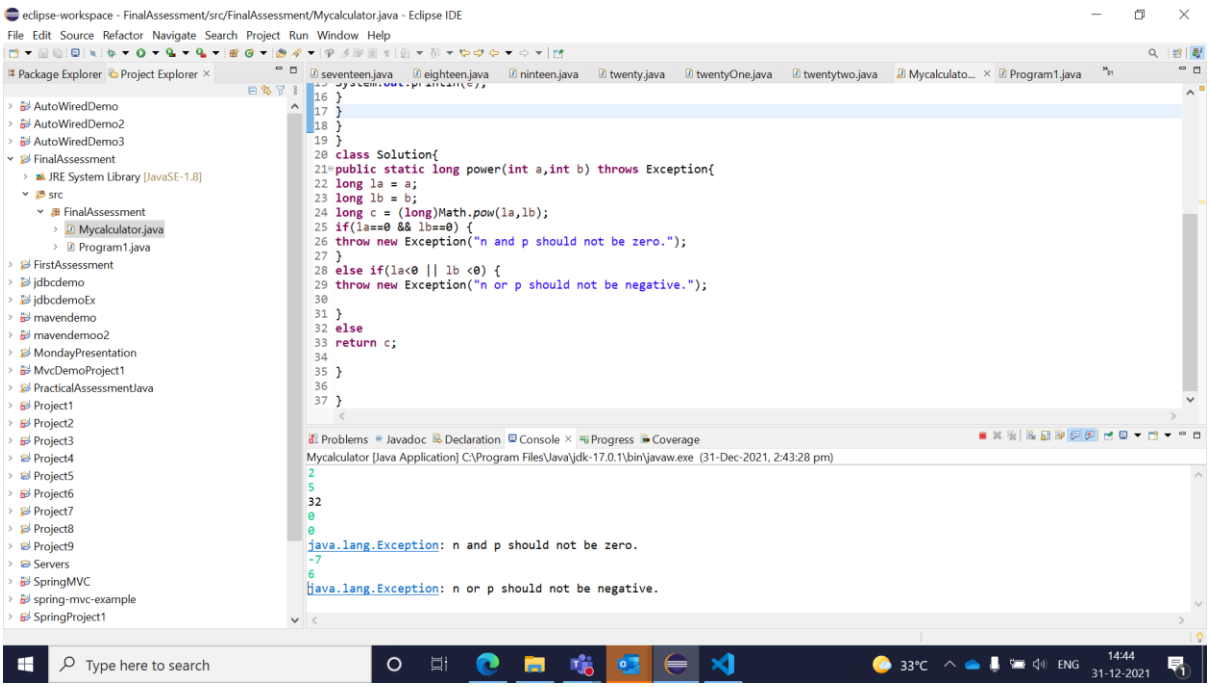

Fetch API
File C:/Users/00005770/Program3.html
Fetch API GET REQUEST
Fetching Users
Name Email
Leanne Graham Sincere@april.biz
Ervin Howell Shanna@melissa.tv
Clementine Bauch Nathan@yesenia.net
Patricia Lebsack Julianne.OConner@kory.org
Chelsey Dietrich Lucio_Hettinger@annie.ca
Mrs. Dennis Schulist Karley_Dach@jasper.info
Kurtis Weissnat Telly.Hoeger@billy.biz
Nicholas Runolfsdottir V Sherwood@rosamond.me
Glenna Reichert Chaim_McDermott@dana.io
Clementina DuBuque Rey.Padberg@karina.biz
Type here to search
34°C
ENG
15:37
31-12-2021

4) Make an HTML page by at least using 4 HTML Semantic Elements. Feel free to use dummy text as content





5) **You are required to compute the power of a number by implementing a calculator. Create a class MyCalculator which consists of a single method long power(int, int). This method takes two integers, n and p, as parameters and finds n p . If either n or p is negative, then the method must throw an exception which says "n or p should not be negative". Also, if both and are zero, then the method must throw an exception which says "n and p should not be zero"**
For example, -4 and -5 would result in Java.lang.Exception: n or p should not be negative. Complete the function power in class MyCalculator and return the appropriate result after the power operation or an appropriate exception as detailed above.
Input Format Each line of the input contains two integers, n and p. The locked stub code in the editor reads the input and sends the values to the method as parameters. Constraints Output Format Each line of the output contains the result n p , if both n and p are positive. If either n or p is negative, the output contains "n and p should be non-negative". If both n and p are zero, the output contains "n and p should not be zero.". This is printed by the locked stub code in the editor



6) **In computer science, a set is an abstract data type that can store certain values, without any particular order, and no repeated values. {1,2,3} is an example of a set, but {1,2,2} is not a set.**
You are given n pairs of strings. Two pairs (a,b) and (c,d) are identical if a=c and b=d. That also implies (a,b) is not same as (b,a). After taking each pair as input, you need to print number of unique pairs you currently have.
Complete the code in the editor to solve this problem.
Input Format
In the first line, there will be an integer T denoting number of pairs. Each of the next T lines will contain two strings seperated by a single space.
Output Format
Print T lines. In the ith line, print number of unique pairs you have after taking i th pair as input