18 Mar 2023

Newton School

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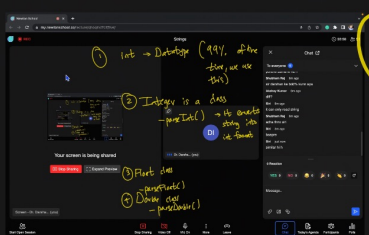
REC

Strings

1. int → Datatype (99% of the time, we use this)



2. Integer is a class
   - parseInt() → It converts string into int format

DI

Dr. Darsha... (you)

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3. Float class
   - parseFloat()

4. Double class
   - parseDouble()

Screen - Dr. Darsha... (you)

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Main.java

Main.java > Main > main(String[])

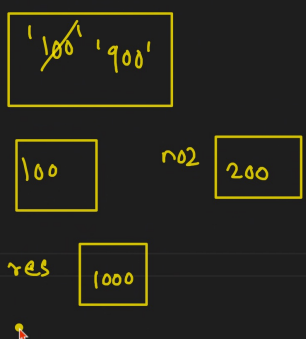
```java
import java.io.*;
class Main
{
    Run | Debug
    public static void main(String[] args) throws IOException
    {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        // this class always accepts the input in the String format only
        String s;

        System.out.print("Enter no1:");
        s = br.readLine();  '100'
        int no1 = Integer.parseInt(s);

        System.out.print("Enter no2:");
        s = br.readLine();  '900'
        int no2 = Integer.parseInt(s);

        int res = no1+no2;
        System.out.print("Addition= "+res);


    }
}
```



Live Share Ln 42, Col 44 Spaces: 4 UTF-8 LF {} Java

https://my.newtonschool.co/playground/code/xdif8io4lqka/

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Arena question - Simple Transpose

by Dr. Darshan Ingle

Take a Tour Report

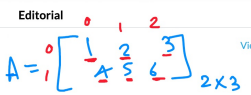
Java (OpenJDK 13.0.1) 16px Run Submit

Question Status Editorial

Simple Transpose

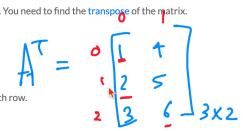
View Solution

Time Limit: 2 sec
Memory Limit: 128000 kB



Problem Statement

You are given a NxN matrix. You need to find the transpose of the matrix.
The matrix is of form:
a b c ...
d e f ...
g h i ...
.....
There are N elements in each row.

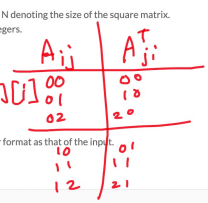


Input

The first line of the input contains an integer N denoting the size of the square matrix.
The next N lines contain N single-spaced integers.

Constraints

1 <= N <= 100
1 <=Ai <= 100000



Output

Output the transpose of the matrix in similar format as that of the input.

Example

Sample Input

```java
import java.io.*;
import java.util.*;



class Main
{
    public static void main (String[] args) throws IOExceptio
    {

        BufferedReader br=new BufferedReader(new InputStreamR
        int n=Integer.parseInt(br.readLine());
        String arr[][]=new String[n][n];
        String transpose[][]=new String[n][n];
        int row;
        int cols;
        for(row=0;row<n;row++)
        {
            String rowNum=br.readLine();
            String rowVals[]=rowNum.split(" ");
            for(cols=0; cols<n;cols++)
            {
                arr[row][cols]=rowVals[cols];
            }
        }
        for(row=0;row<n;row++)
        {
        for(cols=0; cols<n;cols++)
            {
                transpose[row][cols]=arr[cols][row];
```

String : It is a class.