2-D Array Example

Note : If you are taking String input after taking number input you must use an extra nextLine().

```java
import  java.util.Scanner;

public class NamesApp{

  public static void main (String[] args){

    Scanner sc = new Scanner(System.in);

    System.out.println("please  enter
              number  of  classes");

    int row = sc.nextInt();

    System.out.println("please enter number
        of students  in each class");

    int col = sc.nextInt();

    sc.nextLine();

    String names[][] = new String[row][col];
```
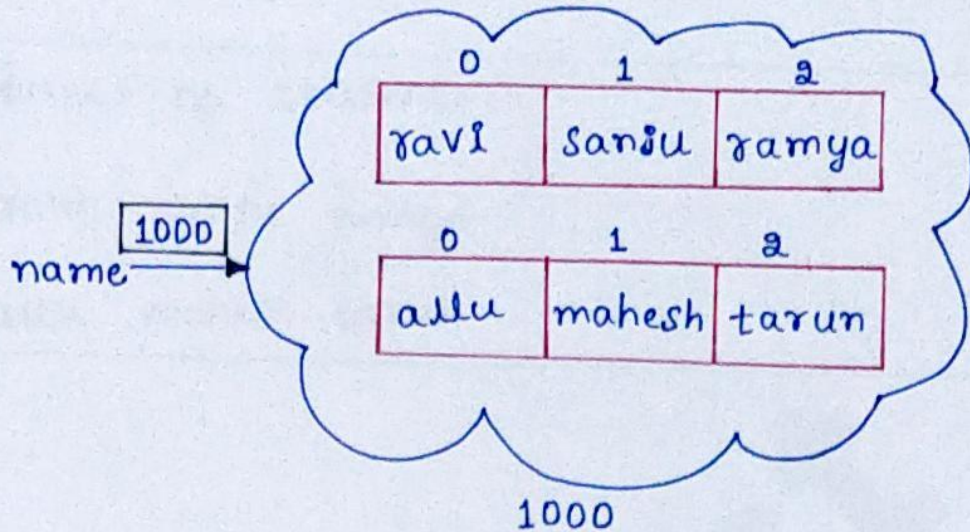
```java
// storing names in array
System.out.println("please enter names:");
for (int i=0; i< names.length ; i++){

    for (int j=0; j< names[i].length ; j++){

        names[i][j] = sc.nextLine();
    }
}

// printing names

System.out.println("Names of students:");
for (int i=0; i< names.length ; i++){

    for (int j=0; j< names[i].length ; j++){

        System.out.println(names[i][j]+"  ");

    }
    System.out.println();
}
}
}
```

0	1	2
ravi	sanju	ramya

0	1	2
allu	mahesh	tarun

name → 1000

1000

Upon execution, the output will be as follows:

please enter number of classes

2

please enter number of students in each class

3

please enter names:

ravi

sanju

ramya

allu

mahesh

tarun

Names of students:

ravi sanju ramya

allu mahesh tarun