

Three-Dimensional Array

```
package OneDimentional;

//create an array to store the edges of students belonging to two schools and having
    3 classroom with
//5 students in each classroom

import java.util.Scanner;
public class ThreeDimentionalArray {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        int age[][][] = new int[2][3][5];
        Scanner s = new Scanner(System.in);

        for(int i = 0; i<=age.length-1; i++) //school
        {
            for(int j=0; j<=age[i].length-1; j++) //student
            {
                for(int k =0; k<=age[i][j].length-1; k++)
                {
                    System.out.println("Enter the age of student from school" +i+ "classroom "+j+ "
                        student" +k);
                    age[i][j][k]= s.nextInt();
                }
            }
            System.out.println("The ages are: ");

            for(int i = 0; i<=age.length-1; i++) //school
            {
                for(int j=0; j<=age[i].length-1; j++) //student
                {
                    for(int k =0; k<=age[i][j].length-1; k++)
                    {
                        System.out.println(age[i][j][k]);
                    }
                }
            }
        }
    }
}
```

Output

Enter the age of student from school0classroom 0 student0

21
Enter the age of student from school0classroom 0 student1
21
Enter the age of student from school0classroom 0 student2
32
Enter the age of student from school0classroom 0 student3
23
Enter the age of student from school0classroom 0 student4
25
Enter the age of student from school0classroom 1 student0
20
Enter the age of student from school0classroom 1 student1
24
Enter the age of student from school0classroom 1 student2
23
Enter the age of student from school0classroom 1 student3
22
Enter the age of student from school0classroom 1 student4
22
Enter the age of student from school0classroom 2 student0
21
Enter the age of student from school0classroom 2 student1
20
Enter the age of student from school0classroom 2 student2
23
Enter the age of student from school0classroom 2 student3
25
Enter the age of student from school0classroom 2 student4

28
The ages are:

21
21
32
23
25
20
24
23
22
22
21
20
23
25
28