***SINGLEDIMENSIONAL ARRAY:***

**SOURCE CODE:**

package array;

public class Singledimensional {

public static void main(String[]args)

{

String[] dept= {"BA","BBA","Bsc","BCA","MA","MBA","MSC","MCA"};

System.out.println("Number of Departments:"+dept.length);

System.out.println("You select " +dept[5]+ " department");

}

}

**OUTPUT:**

Number of Departments:8

You select MBA department

***MULTIDIMENSIONAL ARRAY:***

**SOURCE CODE:**

package array;

public class Multidimensional {

public static void main(String[]args){

String[][] depts= {{"Bsc ","BA ","BCA ","BBA "},{"Computer Science","Tamil","Computer Application","Business Adminstration"}};

System.out.println("The selected course is: " + depts[0][0]);

System.out.println(depts[1][0]);

System.out.println("The selected course is: " + depts[0][1]);

depts[1][1]="English";

System.out.println(depts[1][1]);

System.out.println("The selected course is: " + depts[0][2]);

System.out.println(depts[1][2]);

System.out.println("The selected course is: " + depts[0][3]);

System.out.println(depts[1][3]);

System.out.println();

int[][] num = {{1,2,3},{4,5,6},{7,8,9}};

int x,y;

for (x=0;x<3;x++) {

for (y=0;y<3;y++) {

System.out.print(num[x][y] + " ");

}

System.out.println();

}

}}

**OUTPUT:**

The selected course is: Bsc

Computer Science

The selected course is: BA

English

The selected course is: BCA

Computer Application

The selected course is: BBA

Business Adminstration

1 2 3

4 5 6

7 8 9