**Slip19**

[November 21, 2023](https://nilambariblogfortybsc-cs.blogspot.com/2023/11/slip19.html)

Q1) Write a program to accept the two dimensional array from user and display sum of its diagonal elements. [10 marks]

import java.util.\*;

public class Slip19\_1

{

   public static void main(String[] args)

{

Scanner sc=new Scanner(System.in);

System.out.println("Enter size of the matrix ");

int r=sc.nextInt();

int c=sc.nextInt();

      int[][] m = new int[r][c];

      int sum=0;

      System.out.println("Enter the matrix elements : ");

      for (int i = 0; i < r; i++)

{

         for (int j = 0; j < c; j++)

  {

m[i][j]=sc.nextInt();

if(i==j)

sum+=m[i][j];

   }

}

        System.out.println(" The sum of diagonal elements of the matrix is: " + sum);

   }   }

Q2) Write a program which shows the combo box which includes list of T.Y.B.Sc.(Comp. Sci) subjects. Display the selected subject in a text field.

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public class Slip19\_1

{

   public static void main(String[] args)

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int r=sc.nextInt();

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      int[][] m = new int[r][c];

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      System.out.println("Enter the matrix elements : ");

      for (int i = 0; i < r; i++)

{

         for (int j = 0; j < c; j++)

  {

m[i][j]=sc.nextInt();

if(i==j)

sum+=m[i][j];

   }

}

        System.out.println(" The sum of diagonal elements of the matrix is: " + sum);

   }   }

**Comments**