DIAGONAL SUM OF MATRIX

Code:

```
package com.mycompany.diagonalsumofmatrix;
import java.util.*;
public class DiagonalSumOfMatrix {

    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        int arr[][]=new int[4][4];
        System.out.println("Enter elements of array: ");
        for(int i=0; i<4; i++){
            for(int j=0; j<4; j++){
                arr[i][j]=sc.nextInt();
            }
        }
        System.out.println("Array is: ");
        for(int i=0; i<4; i++){
            for(int j=0; j<4; j++){
                System.out.print(arr[i][j]+"\t");
            }
            System.out.println();
        }
        int sum=0;
        for(int i=0; i<4; i++){
            for(int j=0; j<4; j++){
                if(i==j){
                    sum=sum+arr[i][j];
                }
            }
        }

        System.out.println("Sum of diagonal is: "+sum);
    }
}
```

Output:

```
Enter elements of array:
3
4
6
1
2
4
6
7
8
9
10
11
12
13
14
15
Array is:
3       4       6       1
2       4       6       7
8       9       10      11
12      13      14      15
Sum of diagonal is: 32
```