

```
import java.util.Scanner;

class digonal_sum {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter order of matrix: ");
        int n = sc.nextInt();
        int[][] matrix = new int[n][n];
        System.out.println("Enter matrix elements:");
        for (int i = 0; i < n; i++) {
            for (int j = 0; j < n; j++) {
                matrix[i][j] = sc.nextInt();
            }
        }
        int sum = 0;
        for (int i = 0; i < n; i++) {
            sum = sum + matrix[i][i];
        }
        System.out.println("Diagonal Sum = " + sum);
    }
}
```