Here are my link to my Replit:

<https://replit.com/@NicholeBerry1/Berry-82-programming-assignment#script.js>

8.2 Txt:

---------------------------------------

import java.util.Scanner;

public class MatrixDiagonalSum {

public static void main(String[] args) {

double[][] matrix = new double[4][4];

Scanner input= new Scanner(System.in);

System.out.println("Enter a 4\*4 matrix:");

for (int row=0;row<4;row++) {

for(int col=0;col<4;col++) {

matrix[row][col]=input.nextDouble();

}

}

double diagonalSum=sumMajorDiagonal(matrix);

System.out.println("Sum of the major diagonal elements :"+diagonalSum);

}

public static double sumMajorDiagonal(double[][] m) {

double sum=0.0;

for(int i=0;i<m.length;i++){

sum+=m[i][i];

}

return sum;

}

}