Joshua Sepulveda: Creator of the code. No extra contributors were part of this final project.

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//CSIT-212  
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//Final Project (12/20/2003)*public class FloydWarshallAlgorithm  
 { private final static int *infinity* = 999999999;  
 public static void main(String[] args)  
 {  
 int[][] AJMatrix =  
 {{0, 3, 8, *infinity*, -4},  
 {*infinity*, 0, *infinity*, 1, 7},  
 {*infinity*, 4, 0, *infinity*, *infinity*},  
 {2, *infinity*, -5, 0, *infinity*},  
 {*infinity*, *infinity*, *infinity*, 6, 0}  
 };  
 int[][] sDistance = *Floyd\_Warshall*(AJMatrix);  
 System.*out*.println("The adjacent distance of matrices is: ");  
 *showDistances*(AJMatrix);  
 System.*out*.println("\n\nPairwise of shortest distances is");  
 *showDistances*(sDistance);  
 }  
 public static int[][] Floyd\_Warshall(int[][] w)  
 {  
 int n = w.length;  
 int d[][] = new int[n][n];  
 for(int i = 0; i < n; i++)  
 {  
 for(int j = 0; j < n; j++)  
 {  
 d[i][j] = w[i][j];  
 }  
 }  
 for(int k = 0; k < n; k++)  
 {  
 for(int i = 0; i < n; i++)  
 {  
 for(int j = 0; j < n; j++)  
 {  
 if (d[i][k] + d[k][j] < d[i][j])  
 d[i][j] = d[i][k] + d[k][j];  
 }  
 }  
 }  
 return d;  
 }  
 public static void showDistances(int[][] d)  
 {  
 int n = d.length;  
 for(int i = 0; i < n; i++)  
 System.*out*.print("\t" + (i + 1));  
 System.*out*.println("\n |----------------------------------------");  
 for(int i = 0; i < n; i++)  
 {  
 System.*out*.print((i + 1) + " | ");  
 for(int j = 0; j < n; j++)  
 {  
 if(d[i][j] == *infinity*)  
 System.*out*.print( "\tinfinity");  
 else  
 System.*out*.print( "\t" + d[i][j]);  
 }  
 System.*out*.println();  
 }  
 }  
}