Name of Experiment Warshall Algorithm

4. Implement Transitive Closure using Warshall's Algorithm for given directed Graph.

Program Code:

package Lab-Program 3; Import java util Scanner;

public class Warshall-Algorithm

Static int a [][];

public static void main (string [] args)

System. out. println ("Enter the number of vertices");

Scanner scanner = new Scanner (System.in);

n= scanner next Int (); a= new Int [n] [n];

System. out. println ("Enter the Lost Matrix");

for (int i=0; in; i++)

for (int j=0; j kn; j++)

Experiment No	
Name of Experiment	
{	
a[i][j] = scanner. nextInt();	
3	
3	
get. Closure ()	
Print Matrix ()	
Scanner. close (),	
3	
public static upid getclosure ()	
§	
for (Pnt k=0; KKn; k++)	
for (int i=0°, in, i++)	
i (α[i][j] = =     α[i][k] ==   ## α[k][j] ==	
5	
a[i][j]==1;	
3	
3	distance of the latest section in the latest
3	
}	
	Marketon Co.

Lab Program: 4 Output.

> Enter the number of vertices.

Enter the cost Matrix

0 10

001

100

Transitive closure

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