Subject: Software: Ubeenta DAA LAB Hardware: Come is Branch: CSF Semester: 44 EM STATEMENT Write a program to solve All-Pairs Shortest Pouts Problem Page No. 31 Prog No. at Include (SHID. h) # define max 100 # define INF 99999 upid floydWarcahall (int grouph [MAX] [MAX], int n) & Int dist [max][max], i, j, k; fac (1=0; i<n; i++) for (j=0; jen; j++) dist [i][i] = graph [i][i]; for (K-0; K(n; k++) { forc (i=0; i<n; i+1) (Pen (j=0; ikn ; j+1) fif (dist [i][k] + dist [k][i]; dist[i][i] = dist[i][k] + dist[k][i]; Printf ("The following meetrain shows the shoretest distances between every pain of writices: In); forc (1:0; icn; 1+1) Spor (1 = 0; j<n; j++) INPUT GIVEN OUTPUT OBTAINED REMARKS Signature of Student Red romanagen School Signature of Faculty GRADE: Date: 10/04/2025

Date:

Subject: Software: Ubuntu DAA LAB Hardware: Place 15 Branch: CSF Semester: UHL Page No. 32 Prog No. 00 M STATEMENT ITHM & CODE : { 14 (arst [i][i] == [NP) Pocint & ("0/075", "INA"); else Print & ("do 7d", dist [i][i]); Point & ("In"); 3 int main () fint greaph [MAY][MAX]; int n. 1, 1; Print f ["Enter the number of vertices in the graph:") sconf (" old", fn); Print & ("Enter the adjacency matrin / ose 1.d for infinity): In", INF); for (i=0; i<n; i++) for (j=0; jkn; j++) Scant ('old", Egraph [i][i]); if (i = = j) graph [i] [i] = 0; 11 Distance from Querton to itself is O. NPUT GIVEN DUTPUT OBTAINED

REMARKS

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Date:

Signature of Student Redranarcayon Sahas

Date: 10/04/2025

Subject: Software: Ubuntu DAA LAB Hardware: Corce is Branch: CSB Semester: 妣 Page No. 33 Prog No. 08 EM STATEMENT RITHM & CODE : floyd Wareshall (greaph, n); return 0; NPUT Dutput Poters the number of westless in the graph: 5 Inter the adjacency routein (se 9999 for infinity): 0 5 99999 6 99999 99999 0 1 99999 7 3 99999 0 4 99999 99999 99999 2 0 3 2 99999 99999 5 0 INPUT GIVEN **OUTPUT OBTAINED** REMARKS Signature of Student Rudrangrayan Sahios Signature of Faculty GRADE: Date: 10/04/2025 Date:

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