USN:1BM/9CS168 Nome; Swelle Paty ADA LAB-TEST 2 Date, 05/07/2021 4th sem' D' Section Floyd's algorithm; Huchde Coldio. L) # dyin , 1999999 int n, adj (max) [max], D[max] (max), pred (mas) (mas) void cleakegraph (); void floydis (); void findpath (?ves, intd); void display(int medix(max)(max), int n); unt main () { int s, d; floyd's (); whali(1) { prity (" Enter Source veeter"); scarf ("1.1.d", &5); print (" Entre distration vegter"); Seary (". 1.d", 6d); print ("sheetest path i"); girdpath(s,d) void playd's () { int 2, j, K; for (a=0, ich) 47) fa(j=0;j∠n;j+1)
{ if (adj(j)(j)==0) { p(i)(j) = infinity; else { D(i)[j] = adj[i][j] = 1

for (k=0; KCn; k++) { for (120; 12n; 2+7) for (100; jen; j+1) if (D(i)(j) *D(i)(k) «D(i)(j)) D[I][I] =D[i](k]+&D[k](i]; print (" Shortest path noils is: \n"); display (D, n); fond Path (puts, intd) { aut i, path[mai], count, if (DC)[d] == infinity) Print ("no path"); court = -1
do {
Path(++court) = d d' = pred(5)(d); } while (d!=s) Path (++count] =s; for (i = court; i > =0; i --) Print ("Id"; path[i)); void display (int matrix (max) [max], int n) { int i,j;

\(\forall (i=0; i(n); i++) \) { for(j=0;jen;s++) print (".1. d", metaixciscis); Creente graph () } print (" entre the no. of vertices);
Print("enter adjacuncy motorix) for (sut i = 0; ikn; i++)

for (if = 0; ikn; i++)

Scanf("1.d", adj[1](j]);