Hindude (bits/shdc++, H) using namespace std; # define Va; Port mindistance, (int distC], Sool spleetC]) int min= 9999, min-index; " for (ant) = 0:3 in ity; itt) if (spiset == false 39 distEvs (= winn) lan kmintstidist [v] it min inder = v return min_index; : Ev] this this 3 void printpath (int parent 57, int j) If (parent[j==1]) printkadn (powerd, poutt))

Cout LC) LC dist [17 = 1999] spised if these

void printsolution (int. distEI, int , int cout LL "Vertex It Distance It Path" LL ends: for (?nt 121; icu; ++) --F cont 22" \n" 2250CZZ "->"LL122" H LZdistLiJZZ:"(+1+"ZZSECZZ"" 3 monthsoots (parent, 1); void dijkstra (int graph[V][V], but sre] Int dist [U]; Boot sptset [U]; by I Ntogberry Dian int parent [V]; for l'int 120; 1/cv; 1/++) distroj ; parcent [0]=-1, (co) dist [i] = 9999; optset[i]=filse;

```
dist [s&c]=0, some in some in
    for (ind count = 0; 'count L' (count +1)
    int u = min Distance (dust, eptset);
      sptoet[u] = true; (1) = 100
      for ( int v = 0; v \ V; v + +); 0 min
           if Lisposet EV] 98 graph EUJEV]

99 duist EUJ & tgrap [UJEV]

2 duist EVJ)
                 passent [v] = u;
                dist [v] = dist [u]+ graph [u][v];
printsolution (dist, u, parant);
     int graph [ V JCV];
     cont LC "Enter the graph: "Lendl;
    for (int =0; iLV; i++)
      tor (int, j20; jev; j++)
           On >> graph Ci3Cs3,
```

cont 10 "Ender the source: "Lende, (+ Put 58C; 108 (Evel count = 0; rown Un >>580; dijskora (graph, soc), Cout readi; ; such = [10] 1-12/12. ocheno; (the Vivior to) 3 ENJERTHAMPS PR ENJ 42 FACE,) FI Enstandant & Enstry 1, 1, 2 Enstandant Hinst Enst Enst fint. Earl IC Enter fine for (Per 100; Per 1 97+) "Cistist"

Scanned with CamScanner