	Khrithik.S. Anand	papergrid	
y	IBM 18C3046	Date: / /	
	class (reaph C):		
	def _init_ (self, vertice)		
		in analy (scrabes)]	
	self gruph = [[O for column] for now in na	nue (vertice))]	
		and spring on I	
	det print_solution (self , dist)	المعارف المناهدة الم	
	psint ("Vester It Distruce)	hom Source")	
	Jos node in sange (self.) PSAT-(node, "It", dis	1)3(1)2 (1)3	
	PRM Inode, "It dis	[node])	
	ald the later Coolly date	20 (2t):	
	def min_distance (self dist min = 9999	(1) () (a) (a) (b)	
	for v in range (self. V): if dist[v] < min and s	ptSet[v] == False!	
	min = dist[v]		
-	min_index = v		
	neturn min-index		
	11 all also (all can dout	(u_a)_h t) •	
	def add_edge (sclf, shc, dcst, weight): sclf.graph[shc][dest] = sclf.graph[dest][shc]=weight		
	Scifighaph Eshe areas is sen	grupii La and Saca wang an	
	def dij Kstag (self, sac):		
	dist = [aqqq] * self. V dist [src] = 0 sptSet = [False] * self. V for cout in range (self. V): v = self. min = distance (dist, sptSet)		
-			
	spt Set [v] = True	Caist, sproon	
	los Vin sange (sell. V):		
	jt self, gruph LVJL	v] >0 and sptSef[v] = = False an	
	dist v > dist	v 1 + Self · graph L v JL v J.	
	-> dist[v] = dist[[u] t self.graph[v][v]	

Khoithit S. Anand papergrid HBM 18 CSO46 self.print_solution [dist) g = Graph (int (input ("Enter number of noder in the topology:")))
c = int (input ("Enter number of edges:")) for i in sange (c)

ssc, dest, cost = [it(-) for _ in input ("Enter [SRC][DEST]

[WEIGHT]: "). split ("')] g.add_edge (sac, dest, cost) sec = int(input (" Enter [SKC] to find cont:")) g-dijkstre (sac)