Page No.

	Date//
10	Inflement Diskstoa's algorithm to confute
	the Shortest Path through a grath
	# include < "o storan >
	# include < climity >
	using novestace Std;
	? Na(30) (30), n;
	int minimum ( int Visited (), int dut())
	( the very very left of
	int mindist 10000, mini,
	lor (: 1 :20; 12n; 1++)
	10 ( 107 Mb) 12 00001=1 10 Mb 28
	il (Ivisik d (:) \$\$ dist (i) < mindre)
	(1) (W) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
	mindis = dist(:);
	mini=i
	we was de of HESP tolog " SE to
	7. [1600 33 " " " " " " " 37 " " " " " " " " " "
1 16	schun mining sund of the street and
	7 (117,027,028, 61) ad
	void disjuston (int ste)
	()(2-(0))
	ent disten), visited en)
	lox (°N 9=0; 9<0; 1+4)



```
Date __ / __ / ___
```

distroj = 10000; visited (1) = 0;

dist [8xc) 20]

br ("N 9=0; 9201itt)

int us minimum (visited, 2187);

visited [u] =1;

bo (int V=0; V<n; V++)

if (!visited(v) \$4 a(u)(v) != 10000

28 dist(u) 1=10000 st (dut [u) + a lu] [v]

Tedist (v3) (3) by

dist [v) = dist [u) + a [u) [v);

**)** 

cont 22° Shootest Pathy to all other vertices have "Exse 22" "& " 22 end;

los (int ? =0; "Con; "++)

il (91=58c)

cont 46° 46 "It It " ( Edus) (:) 24 end)

Page No.

Date \_\_\_ /\_\_\_ /\_\_\_\_



int main() Cout << "enter the no. of vertices & coord) C:n)? n; Cout K' enter for weighted adjunctory matry Centa 10000 if there is no edge )" exercl; lor (int "20; "<n; "++) los (int j=0; j<n; j+t) C(n) a (:) (i); in Soci, cout ze enter the Source Vertenz ecend! Can >> 8xc; diókstra (880); return 0;