5	Date :
<u>{</u>	
	Topological Sort
	1400 liderate
	#include (stdio.h)
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
	# include < stdlib.h7
	int visited (50), graph (10)(10), n, stack (10); tap=-1;
1	
	. 20
1	void tapalogical sort (int node) {
	17 -11
-	ruited (node7 =1;
	for (int j=0; 1 <n; )="" \(="" \frac{5}{2}<="" j++="" th=""></n;>
	ij Graph Cnode I Gj ]== 1 & visited (j7)=1) ?
1	y (zeaph (node) (y) = 142 Warns ()
	topological sort (s);
	3
1	}
	stack (++ top= nodo;
	1
	int main () 9
	print/("Inter number of modes \n").
	scan ("1.0", &n).
	print ("Enter the matrix ) ").
<del></del>	for ( int i=0: i <n; i++)?<="" th=""></n;>
	1 ( +4.
	for ( ont 1; =0; j <n; th="" vd+)="" {<=""></n;>
	ent dey;
	sconf ("Y.d", & pay )-/
	Graph Ci) Ci) - key;
	5

	Date :
for (int $e=0$ ; $i < n$ ; $i + 1$ ) $\leq$ $\frac{1}{2} $ $\frac{1}$	
print f (" TOPOLOGICAL SORT \n"); while (top!=-1) &	
Output: Enter number of modes	
Enter the malrin	
1000	
	-

```
Enter Number of nodes
4
Enter the matrix
0 0 0 0 0
1 0 0 0
1 0 0 0
0 1 1 0

TOPOLOGICAL SORT
3 2 1 0
Process returned 0 (0x0) execution time : 59.358 s
Press any key to continue.
```

"C:\Users\aryan\OneDrive\De X