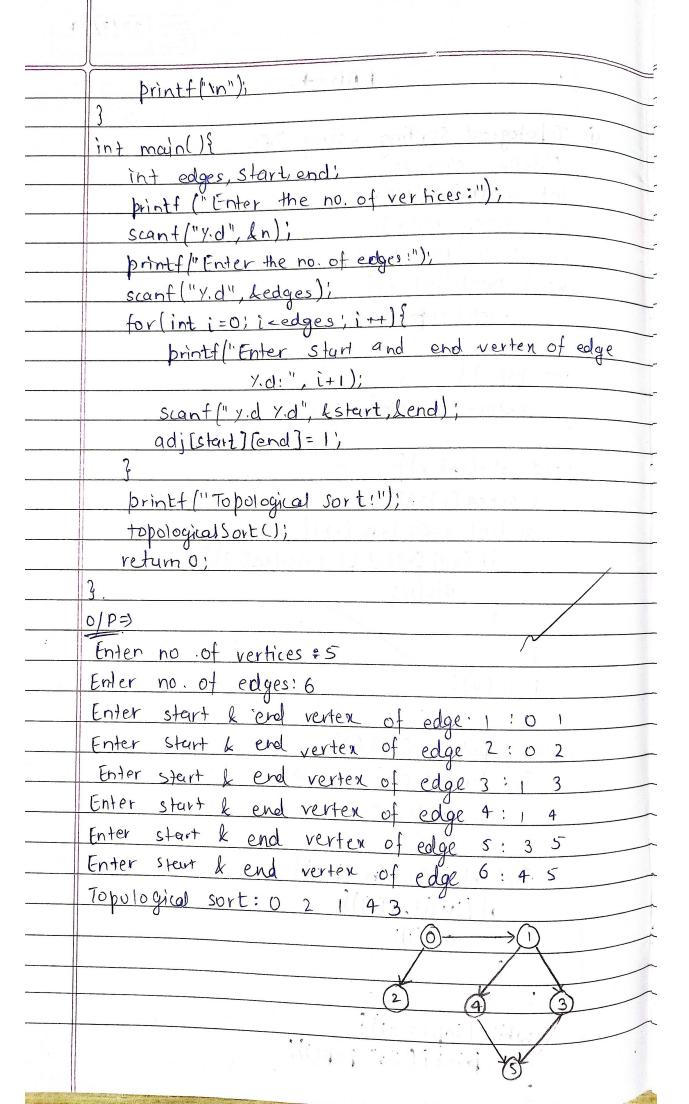
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	LAB-4.
0	Topological Sorting using DFS
	#define MAX 100
	int adj[MAX][MAX];
	int visited [MAX];
	int stack [MAx], top=-1, n;
	void push (int v) {
	stack[++pop]=V;
9 19 10	j .
	int pop()
	return stack[top];
	3 - La Charling Charles Charles Company
*	void dfs(int v) {
	visited [v]=1;
	for (int i=0; i <n;i++){< th=""></n;i++){<>
	if (adj [v][i] hk! visited[i]) {
	dfs(i);
	§
	3
	bush(v);
	3
	void topological Sort () {
	for (int i=0; i <n; i++){<="" th=""></n;>
	visited [i]=0;
	P
	for(int i=0; i <n; i++){<="" th=""></n;>
	if (!visit ed [i]) {
-/	dfs (i);
	}
	3
	while (top! = -1) {
	while (top! = -1) {  print f ("r.d", pop());
	3



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2	Topological Order using Source Removal.
	int st[100] top = -1;
	void degree (int adj [][20], int n) {
	int indegree [20];
	int sum=0;
	forlint j=0;j <n;j++){< th=""></n;j++){<>
	Sum = 0;
	for (int i=0; i <n; i++){<="" th=""></n;>
	sum = sum + adj[i](j);
	3
	indegree [j] = Sum;
	3
	for lint $\tilde{\epsilon}=0$ ; $\tilde{\epsilon}<\tilde{n}',\tilde{\epsilon}+1$
	if (indegree [i] = = 0){  top ++;
	st [top] = i',
	ξ (10p) - τ /
	2
	while $(top!=+)$ {
	int u=st[top];
	top;
	printf ("Y.d", u);
	for (int v=0; v < n; v ++ ){
77-1	if (adj[u][v] == 1) {
	indegree [v];
	if (indegree [v] == 0) {
	indegree [v] == 0) {  top++;
	St[top] = v!
	ß
	3
	}
	3
	7

	OP! - se variable present present value to probabilities
	Ent no. of nodes:4
	Enter the adjacency motria
	0110
	0010
-	0001
	0 0 0 0
	Topological sorder of nodes! 0 1 2 3
	to pological of the
•	(8/
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-	
-	
-	
	Attitude 180 miles
	in the state of th
	10 = Frd stackown by