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	rage No. 45
AIM:	Penform Job Sequencing with a deadline using the Cyreedy Approach using C/C++.
	Algorithm:
	1. Begin
	2. Sort all the jobs based on profit P: 30  3. Pl>P2>P3>= Pn.
	5. Create array S[], d]
	6. For jel to 1. do
	7. Find the largest job 2.
	8. for jzi to J.
	3. 16 (IS[J] = 0) and (a deadline < =d))
	10. Then  11. S[x] 2 i;
	12. Break; 13. End if
	Ju. End for
	15. End for
	16. End.
	Program Code:
	Trogram of the same of the sam
	# include < stdio.h>
	# include Sotalib.h>
	# include < stdbool.h>
	11 Job Structure

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11 if emply data found, set the jobs.

if (le!2-J)

TobsToDo[le] = jobs[i].id;

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	1/Output the final job sequence.
	print ("In Best order and Jobs to do is: ");
	int idx 20; while (jobs To Do Lida]! 2 '(0') ?
	print f("%c", jobs To Do Lidx J) i
	ide tt;
11	' Function to display the jobs table
	print (" 'sc \t", jobs [i], int m) {  print (" 'sc \t", jobs [i], id);
	printf("\n");
	print (" Job Deadline: \t"); for (int i 20) ism; (+1) } print f (" 7-d) t" jobs (i) deadline);
	printy ("\n")
	print ("Job Profit (t");
	for (intizo)ien; itt) ?  print ("7-d)t", jobs(i), profit);  }
	print (" \n");
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Output: Job Job: W V 2 y Z Job Deadline: 100 2 100 2000 2000 3 Job Profit : 19 200 27 25 05 the Best Order ad Jobs to Do do: x v z.

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	int main() {	
	11 initialize the jobs.	
	Job jobs[]= 19'w', 1, 19 3, 1'v', 2, 1'y', 1, 25], 1'z', 3,	1007, 9'x', 2,272,
	11 Display the jobs data display ( @ jobs, 5 );	
	Sorting jobs[] w.r.t their profit  qsort (jobs, 5, size 64 (Jobs[0])	, compare Job);
	11 Find the best job sequerce best Job (johs, 5);	
	return 0i	
	7	
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	Teacher's Sig	nature: