_	Q		. 1_	0 1		
Experiment Name / No.:		Camlin Page No. 30				
		Date				
	POLYNOMIAL USING LINKED LIS	~	,			
	LINKED LIS					
	AIM					
	write a menu obriven c program to r					
5	polynomials using linisces his on	rel	per	borm		
	polynomical andition and mulciples	ari	ו רע			
_	ALGORITHM					
	= poly-and (node* P1 node *P2) bunchen					
lin	ho seert					
2	2 Repeat where (P, + NULL and P2 + NULL)					
	2.1 16 (P> expo > P2 -> 6xpo)					
	2.1.1 seare3 = unsur- (seare3, p, -> cuebb, Q, -> expo)					
	2.1.2 P1 = P1 -> Link					
15	15 2.2 else 16 (P2-2 esque > P1 -> expo)					
	2.2.1 start3 = msert (start3, po-sco	ebb	P2-	expo)		
	2.2.2 P2 = P2 -> Long					
	2.3 else 10 (p2 -> exp = p, -> expo)					
	2-3.1 seare3= unsurt (seare3, p1 -> web6 + P2 -> web6					
20	, PI -> e.					
_	$2.3.2 P_1 = P_1 \rightarrow link$	er .				
	2.3.3 P2 = P2 -> link					
_	2.4 Reperse while p. & NULL					
	2.4.1 seart3 = meer (seart3, p, -> colb, p, -> expo)					
25	2.4.2 P, = P, -> link.					
_						
_						
	Teacher's Signature	e:				

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EAP.				
2.5 Repeal while P2 7 NULL				
2.5.1 seare3 = ensere (seare3, po-scoet, po-sexpo).				
2.5.2 P2 = P2 -) ling.				
35 Display one added polynomial.				
stop.				
-) poly-mult (node *P1, noce *P2) su	nuion			
stwi				
10 * p2_blg = P2.				
IN PI=NULL OF PZ=NULL				
3.1 Display, multiplied polynomial is zero polynomial				
4 Repeat while p, 7 NULL				
4.1 P2 = P2_beg				
15 4.2 Renear-while P2 7 NULL				
4.2.1 stares = mare s(stares, P) - web *P2 - web				
, pr sexpot P	, p1 > expo + P2 -> escro);			
4.2.2 P2 = P2 -> link				
4.3 P1=P1-3 link				
display are mulaplied polynomial.				
6 100				
CONCLUSION				
The origina new peen excerned correctly				
ne program new been executed correctly				
The state of the s				
Teacher's Signatu	re:			