Name:	Seat no Perm no. :
Student to your left:	Student to your right

Q1(i)(10 pts): Parts(a)-(c)	Define and implement the Line class
class	line {
	Dublic?
	Line (double slope 20, double intercept 20); m(slope), c(intercept) } }
	singliconst greturn my
	double gerscope () cont greturn (3)
	private:
	const double m; } int acceptable const int c; } as well
	constint c;
	3;

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Q1 (ii) (a) (5 pts) Impl	ement the operator
bool oper	rator11 (const Line & 11, const Line & 12)}
neh	urn ll.getslope()== l2.getslope()
// S	trictly speaking students should cheek
11 for	approximate equality may the first place
3 /1 bu	appearinale equality nois the fabs fruction of the
Q1 (ii) (b) (5 pts) Impl	ement the operator-
11 cond	ator - (const Line & l.) Const Line & l.2) s st member variables can only be initialized a ten constructor a l.get-swpe() - l.2.get-slope(); le b 2 l.get-scheepter - l.2.get Duterrept(); le b 2 l.get-scheepter - l.2.get Duterrept();
و ا	

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Q2(i) (8 pts)	-
(a) Compile-time error: Yes	No

Member variables are const. Values cannot be reassigned uning ter assignment operator.

(c) Compile-time error: Ye //No

Don't deduct posits for forable werk (d) Compile-time error: Yes No

-10(12-11). get Datercept() = -10 (12. get Intercept() - 11. get Intercept()

Give credit if Yes

By the San degre (22.21). ger scope() = 22.5ctslope() - 21.ger 8lope()

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Q3 (i) (a) (2 pts) Select among Justify your answer below:	options: A, B, C:		
ll			
fail pl	p2		
List after apper) (b3)		
fail pr	p2]->[p3 \\	
(b) (2 pts) Select among option Justify your answer below:	ns: A, B, C	(Infikite loop au	a nevery leak
Source head fail	PI DO	17-35)	
Original List had tail tail After a few; tere	sim j the	while loop	
Source fail]	(PI) 9(1	p2 pl) pl 201
ll hear tail	(pu) M	enory leak	

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(c) (2 pts) Select among options: A Justify your answer below:	A, B, C (Give partial crudit if strudents chose C and gave the reason as head & feel are not correctly explated)
lei III	P2 - 3 P3
after the fuels	h
Qe P1/2	A, B, C A if default dutractor is not considerate of the court of the court of the court of the consideration of the court of the cour
(d) (2 pts) Select among options: Justify your answer below:	A, B, C A if frechly overloads ories orie
Source]	9 (PZ) (PZ) (PZ)
toup (PI PI PI
this 7	(pt) (pt)
	the fuelion returns
So fan its	by the destructor all the nodes
0 h	
was correary	rup & the Linkedtors are
also d	elehi.

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ect among options: A, B, C , Students may home outsaid the inswer below: Substicky: So A is also accepted the comparison accepted type comparison. Dacoexect hype comparison. Only works in operator = 2 was Overloaded for Player type.
s) Implement the function deleteMid()
Linkedlist: : delete Mid (const string 2 pname)}
Node & prev, Node & cur = head; while (cur -) data name (= pname)
g prev 2 curr;
our z curr > next; 3 grev -> next z curr -> next; delete curr;

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Q3.b (iii) (5pts) Implement the function increment Score () **Mon't deduct points & Students assumed that a correct inplementalism of find is available of / void linkedlist:: increment Score (const string & pra	me
Player p; Poname = pname; p.score = 1; if (find (pname)) append (p); return;	
\$	

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