Name: DIBA	M R2A Seat no Perm no. :
Student to your left:_	Student to your right
	ide a definition of the quadratic class Solution of the quadratic class
pub	c: quadratic (double a=0.0, double b=0.0, double c=0.0)
	double evaluate (const double x) const;
friend	quadratic operator + (const quadratic eq1, const quadratic eq2);
Peiv	He:
	double ca;
	double cb;
	double (c;
٦,	
Q1.b (i) [4 pts]: I	aplement the constructor of the quadratic class
quadrat	:: quadratic (double a 20.0, double b 20-0, double c20.0
	(a 2 a;
	(c 2 c;
3	

_____ Seat no. _____ Perm no. :_____

Student to your left:	Student to your right
Q1.b (ii) (4pts) Implement the eval	Luate function of the quadratic class
double quadration	c: evaluate (ordonale x) const.
•	្ត្រី និង
कर भारतात्व (ज.एक व अप्रताय है।	Dublic: Juadiatio (doluble de 0.00
Hanar X Maluch Hand	double evaluate Co
	mai, trainmea stationes instri-
return c	a* pow(x,2) + cb * 2c + cc;
3	is well as
Q1.b(iii) (4pts) Implement the overlo	oaded operator+ of the quadratic class
quadratic operator.	t (const quadratic &91).
quadratic 93	C ql. ca +qz. ca,
	91. clo + 92. clo
	91.cc +92.cc)
× 4. 20 63	
Schurn 93	

Name:			no Perm no. :			
Student to yo	ur left:	lent to your right	· · · · · · · · · · · · · · · · · · ·			
Q2.a (6pts)						
Variable/ expression in foo()	Instance of quadratic? (Yes/No)	Where is it located in memory? (Heap/Stack)	Is the deconstructor of quadratic invoked on this object when foo () returns? (Yes/No)	Does it persist in memory after foo returns? (Yes/No)		
m	Yes	Stach	Yes	No		
р	No	Stach	No	No		
*p	Yes	Heap	No	Yes		
Q2.b (2pts) A Q2.c(2pts) A, B, D Q3 (8pts) a. B b. i A ii. B iii. C						
Q2.b (2pts) A Q2.c(2pts) A , B , D Q3 (8pts) a. B b. i A ii. B iii. C Q4: a (4pts) (i) $O(N^2)$ (ii) $O(2^N)$ b.(2pts) A lgorithm A						
Q5.a (3pts)						
Q5.b (3pts)						
		0(N)				
Q6.a (10 pts) Draw your pointer diagram here:						
my list head texil						
$\begin{array}{c c} \hline 10 \\ \hline 15 \\ \hline 20 \\ \hline 25 \\ \hline 26 \\ \hline 27 \\ 27 \\ \hline 27 \\ 27 \\ \hline 27 \\ 27 \\ 27 \\ 27 \\ 27 \\ 27 \\ 27 \\ 27 \\$						
other List			Thical ist	Ead Fail		
had fail						

Name:	Seat no Perm no. :
Student to your left:	Student to your right
Q6.b (10pts) Implement the overle	
Linked List open	ator + (const linked list &s), Const linked list &s2)}
LinkedList	newlist (\$1); // lising the copy constructor
Node +tmp	s = S2. head;
while (tro newlise trap =	np) { insert (tmp > data); tmp > nuct;
\	
ychirn	new list;
3	