


• National University of Computer and Emerging Sciences, Lahore
Campus

	Course:	Data Structures	Course Code:	CS2001
	Program:	BS(Computer Science)	Semester:	Fall 2024
	Duration:	10 Minutes	Total Marks:	10
	Paper Date:	18-Sept-24	Weight	
	Section:	E	Page(s):	
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	Exam:	Quiz 2(a)	Section:	

Q.5

..... iterator n bool, found = false
 while (n != End)
 if (n->data == x)
 n = start; found = true; start++;

Implement the find function that returns the iterator containing the last occurrence of element x in the range that begins at start and extends up to but not including end. If x is not found, end is returned.

iterator find(iterator start, iterator End, const T & x) {

 List<T>::iterator n;

 bool found = false;

 while (start != End) {

 if (start->data == x) {

 n = start;

 found = true;

 }

 start++;

 }

 if (found)

 return n;

 else

 return End;

}