


National University of Computer and Emerging Sciences, Lahore Campus

	Course Name:	Operating Systems Lab	Lab	BCS-4A
	Program:	BS(Computer Science)	Semester:	Spring 2022
	Duration	30 minutes	Total Marks:	15
	Evaluation Type:	Quiz 1	Roll. No	
	Name		Section	

Note:

- The quality of the code will affect the marks.
- Students will receive 0 marks if the answers are plagiarized.
- Late submission will not be accepted.
- Use of the internet or any other helping material to solve the quiz is not allowed
- Use of the Linux user manual is allowed via terminal.

Question:

Write a C/C++ program where a child process reads data from a file consisting of integers and sends data to the parent process. The parent process rotates the array of integers by 'N', entered by the user, i.e. the array shifts to the right, and the elements are moved to the start of the array and sent array data back to the child process. The child process prints the data sent by the parent process, on the terminal.

Sample input:

Array: 1 2 3 4 5 6 7 8

N: 2

Sample output:

Array: 7 8 1 2 3 4 5 6