National University of Computer and Emerging Sciences, Lahore Campus

	Course: Program: Due Date Type:	Operating Systems BS(Computer Science) 27-Apr-2021 at 11:59 pm Assignment 2	Course Code: Semester: Total Marks: Page(s):	CS 220 Spring 2021 - 1

Important Instructions:

1. For submission, name your solution file as your roll number, i.e., 19_1111.cpp, and submit it in assignment 2's submission folder on Google classroom. Do not zip your file.
2. You are not allowed to copy solutions from other students. We will check your code for plagiarism using plagiarism checkers. If any sort of cheating is found, negative marks will be given to all students involved.
3. Late submission of your solution is not allowed

Question 1: Custom Shell

Extend the shell that you created in assignment 1 and add support for input/output redirection. So, the commands in which |, < and > symbols are used should be supported by your shell in assignment 2.

ls > file.txt

man fork | grep child > file.txt

The command can have any number of | symbols, such as

command1 | command 2 | command3 > file.txt