National University of Computer and Emerging Sciences, Lahore Campus

Course:	**Operating Systems**	**Course Code:**	CS 2006
Program:	**BS(Computer Science)**	**Semester:**	**Spring 2022**
Due Date	**10-Apr-2022 at 11:59 pm**	**Total Marks:**	**-**
Type:	**Assignment 2**	**Page(s):**	1

Important Instructions:

1. Submit the solution in a zipped file named as your roll number, i.e., 20-1111.zip.
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