National University of Computer and Emerging Sciences



Laboratory Manual

for

Operating Systems Lab

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| Section | BCS-5F |
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**Question 1:** (Ordinary Pipes) Write a C or C++ program that accepts a filename as command line argument and send it to the child process. The child reads the data from the file which is the array of numbers and sends the array to the parent which calculates the palindromes from the arrays.

The file contents are:

12 121 131 45 65

21 111 321 34 66

31 51 323 55 77

You have to find the palindromes row by row.

The result of the above file are:

121 131

111 66

323 55 77

A number is called a palindrome if it remains the same despite flipping. like 131 after flipping is also 131.