NATIONAL UNIVERSITY OF MODERN LANGUAGES

ISLAMABAD

OPERATING SYSTEM (LAB)

Lab Report: 07

Submitted to
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Question # 01

- Try the example on the 'Pipes' slide, using rev to reverse some text.

```
junaidasifdev@Joni:~$ echo "Hello, World!" | rev
!dlroW ,olleH
junaidasifdev@Joni:~$
```

- Try replacing the echo command with some other commands which produce output (e.g., whoami).

```
junaidasifdev@Joni:~$ whoami | rev
vedfisadianuj
junaidasifdev@Joni:~$
```

- What happens when you replace rev with cat? You might like to try running cat with no arguments and entering some text.

```
junaidasifdev@Joni:~$ echo "Hello, World!" | cat
Hello, World!
junaidasifdev@Joni:~$ cat
```

Question # 02

- Run the command ls --color in a directory with a few files and directories. Some Linux distributions have ls set up to always use the --color option in normal circumstances, but in this case we will give it explicitly.

```
junaidasifdev@Joni:~$ ls --color
dog   junaid
junaidasifdev@Joni:~$
```

- Try running the same command, but pipe the output into another program (e.g., cat or less). You should spot two differences in the output. ls detects whether its output is going straight to a terminal (to be viewed by a human directly) or into a pipe (to be read by another program).

```
junaidasifdev@Joni:~$ ls --color | cat
dog
junaid
junaidasifdev@Joni:~$ ls --color | less
junaidasifdev@Joni:~$
```