

# Jaypee Institute of Information Technology, Noida.

## Lab Sheet 4

### Unix Programming Lab

Course Code: 15B17CI579

[C373.2]

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**1.** Devise wild-card patterns to match the following filenames:

- (i) file1, file2 and File5
- (ii) quit.c, quit.o and quit.h
- (iii) watch.htm, watch.HTML and Watch.html
- (iv) all filenames that begin with a dot and end with .swp

**2.** Devise wild-card patterns to match all filenames comprising at least three characters

- (i) Where the first character is numeric and last character is not alphabetic
- (ii) Not beginning with a dot
- (iii) Containing 2004 as an embedded string except at the beginning or end.

**3.** Devise a command that copies all file names chap01, chap02, chap03 and so forth, and up to chap26 to the parent directory. Can a single wild card pattern match them all?

**4.** Use the following wild card patterns and understand the output

- (i) [A-z]????\*
- (ii) \*[0-9]\*
- (iii) \*[^0-9]
- (iv) \*.[!s][!h]

**5.** Create a file students with following information. Each line contains four fields: first name, last name, e-mail address and phone number. Each field is separated by more than one space characters.

Example

John David john.david@yahoo.com 0120-4195800

- a) Write a command to display those lines in the student file that contain string “ Gupta” along with line numbers ( hint : use grep command)
- b) Display the lines that start with letters A through H.
- c) Write a command to find the number of lines in the files and redirect the output to another file “out.txt”

**6. (i)** Create a file student \_mailid file from the students by extracting the fields first name , last name and email id of the students by using cut command.

**7.** Write a unix command to display the day and time from the date command. ( Hint : cut command).

**8.** Write a unix command to display the file permission and filenames of the files present in the current directory.( Hint : cut command)

**9.** Write a unix command to translate all uppercase letters into lowercase letters of a given filename.

**10.** Write a unix command to list all users in uppercase and in the sorted order.

- 11.** Write a unix Command to display all the files created in the month of “Feb”
- 12.** Write a unix command to display the filenames and filesize of all files present in a directory.