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Week Report 6

Wildcards

* Wildcard

the * wildcard matches from 0 to any number of characters.

- Examples:
 - List all the text file in a directory
 - ls *.txt
 - List all the files that start with the word file
 - ls file*
 - Copy all the mp4 files
 - cp Downloads/*.mp4 ~/Videos/Movies/

? Wildcard

The? wildcard matches a single character.

- Examples:
 - list all the files that have 3 characters and are followed by the word file in the name
 - ls ???File*
 - list all the files with a three-letter extension in a directory
 - ls *.???
 - list all files that have x as the second letter in their name
 - ls ?x*

[] Wildcard

The [] wildcard matches any single character inside the brackets

- Examples:
 - list all the files that have either "a" or "b" as the first character in their name
 - ls [ab]*
 - list all the files that have a single digit number as the second letter in their name
 - ls ?[0-9]*
 - list all the files that have either an uppercase or lowercase letter as the second character in their names
 - ls ?[[:alpha:]]*

Brace Expansion

Brace expansion allows you to generate multiple strings based on a pattern.

- Examples:
 - o create directories named "dir1", "dir2", "dir3", "dir4", and "dir5"
 - mkdir dir{1..5}

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• copy "file1.txt", "file2.txt", "file3.txt", "file4.txt", and "file5.txt" to backup directory

- cp file{1..5}.txt backup/
- Create the directories "project1/docs", "project1/src", "project2/docs", "project2/src", "project3/docs", and "project3/src"
 - mkdir project{1..3}/{docs/src}