

# Glob Patterns and Wildcards: Takeaways

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## Syntax

- Wildcards:
  - `?` matches any single character.
  - `*` matches any string of characters.
  - `[list_of_characters]` matches any characters in `list_of_characters`.
  - `[!list_of_characters]` matches any characters **not** in `list_of_characters`.
  - `[:alpha:]` matches any letter.
  - `[:digit:]` matches any number.
  - `[:alnum:]` matches any letter or number.
  - `[:lower:]` matches any lowercase letter.
  - `[:upper:]` matches any uppercase letter.

## Concepts

- We can use **wildcards** to create patterns to match groups of filenames.
- These patterns, called **glob patterns**, work in a similar way to regular expressions, albeit with different rules.
- We can use glob patterns with most commands, making them an extremely powerful tool.
- Because they're very powerful, we need to be careful with them, especially when it comes to commands that modify the filesystem (like `rm`).

## Resources

- [Character classes](#) in GNU.
- [Globbing and Regex: So Similar, So Different](#).
- [Glob patterns and regular expressions summary](#).
- The [glob function](#).
- [Locale](#).
- `find` :
  - [How to Find a File in Linux Using the Command Line](#)
  - [35 Practical Examples of Linux `find` Command](#)
  - [Unix Find Tutorial](#)
- The `locate` command — an alternative to `find` :
  - [Linux `locate` command](#)
  - [10 Useful `locate` Command Practical Examples for Linux Newbies](#)

