Basic commands

**Table explanation**

* Commands in green rectangles that are not surrounded by [square brackets] are at an interactive command-line prompt. Text in [square brackets] is an explanation of where to find equivalent functionality.
* *repository init*: Create a new empty repository (i.e., version control database)
* *clone*: Create an identical instance of a repository (in a safe transaction)
* *pull*: Download revisions from a remote repository to a local repository
* *push*: Upload revisions from a local repository to a remote repository
* *local branches*: Create a local branch that does not exist in the original remote repository
* *checkout*: Create a local working copy from a (remote) repository
* *update*: Update the files in a working copy with the latest version from a repository
* *lock*: Lock files in a repository from being changed by other users
* *add*: Mark specified files to be added to repository at next commit
* *remove*: Mark specified files to be removed at next commit (note: keeps cohesive revision history of before and at the remove.)
* *move*: Mark specified files to be moved to a new location at next commit
* *copy*: Mark specified files to be copied at next commit
* *merge*: Apply the differences between two sources to a working copy path
* *commit*: Record changes in the repository
* *revert*: Restore working copy file from repository
* *generate bundle file*: Create a file that contains a compressed set of changes to a given repository
* *rebase*: Forward-port local commits to the updated upstream head

Advanced commands[[edit](https://en.wikipedia.org/w/index.php?title=Comparison_of_version_control_software&action=edit&section=6)]

**Table explanation**

* Commands in green rectangles that are not surrounded by [square brackets] are at an interactive command-line prompt. Text in [square brackets] is an explanation of where to find equivalent functionality.
* *command aliases*: create custom aliases for specific commands or combination thereof
* *lock/unlock*: exclusively lock a file to prevent others from editing it
* *shelve/unshelve*: temporarily set aside part or all of the changes in the working directory
* *rollback*: remove a patch/revision from history
* *cherry-picking*: move only some revisions from a branch to another one (instead of merging the branches)
* *bisect*: binary search of source history for a change that introduced or fixed a regression
* *incoming/outgoing*: query the differences between the local repository and a remote one (the patches that would be fetched/sent on a pull/push)
* *grep*: search repository for lines matching a pattern
* *record*: include only some changes to a file in a commit and not others