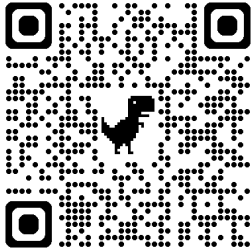


## Introduction of Bioinformatics: Command line examples

### Unix command line interface

Windows user:	macOS/Linux user:
<ul style="list-style-type: none"> <li>Scan the QR code below to install <b>Cygwin/X</b>.</li> <li>Search and Select <b>nano</b> package in <b>Step 15</b>: Select packages</li> </ul> 	<ul style="list-style-type: none"> <li>Open the built-in <b>Terminal</b> app on your Mac</li> </ul>

### Navigating

Command	Explanation	Example usage
pwd	<b>Print</b> working directory	pwd
cd	Change the <b>working directory</b> to the target directory	cd /path/of/directory
ls	<b>List</b> the contents of a directory	ls

### Changing the file system

Command	Explanation	Example usage
mkdir	<b>Create a directory</b> with a specific name	mkdir name_of_folder
rmdir	<b>Remove a directory</b> with a specific name	rmdir name_of_folder
cp	<b>Copy</b> a file to the target directory	cp targeted_file /path/of/directory
mv	<b>Move</b> a file to the target directory	mv targeted_file /path/of/directory
rm	<b>Remove</b> a target file ( <b>once delete, no restore</b> )	rm workshop_script.txt
nano	Text editor to create text file	nano workshop_script.txt

## Redirecting

Command	Explanation	Example usage
less	<b>View</b> the contents of a file on one page at a time	less workshop_script.txt
cat	<b>Concatenate</b> and <b>display</b> the content of a file	cat workshop_script.txt
head	Print the <b>first 10</b> lines of each file	head workshop_script.txt
tail	Print the <b>last 10</b> lines of each file	tail workshop_script.txt

## Manual and help

Command	Explanation	Example usage
<command> --help	Display <b>help</b> information for the usage of a command	less --help
man <command>	Open a <b>manual</b> page for a command	man less

## Other usages

Command usage	Explanation
cp filename_1 filename_2	Copy filename_1 to filename_2
mv filename_1 filename_2	Rename filename_1 to filename_2
ls -a	List all contents in a directory
ls -l	List the contents in a directory in long format