

Command Line - Task 2 (Ubuntu command line)		
ID	Task	Command
Stage 1		
#1	<p>Execute commands in sequence</p> <pre>cd ~ cd / cd - cd</pre> <p>After each command find out which directory you are in.</p> <p>Answer: the result of the commands to display the working directory</p>	<pre>result: /home/gonza result: / result: /home/gonza result: /home/gonza</pre>
#2	<p>Being in the directory ~/dir/bash</p> <ol style="list-style-type: none"> 1. Go to your home directory 2. Go to desktop 3. Go to any folder on the desktop (if not, create using gui) <p>Answer: three commands to jump</p>	<pre>command: cd ~ command: cd /mnt/c/Users/gonza/desktop command: cd /mnt/c/Users/gonza/desktop/!</pre>
#3	<p>While in the ~/dir/bash directory, print to the console:</p> <p>Contents of the home directory</p> <p>The contents of the desktop directory. Run command from home directory</p> <p>The contents of the desktop directory. Execute command from root directory</p> <p>Answer: three commands to display the contents of folders</p>	<pre>command: ls ~ command: ls /mnt/c/users/gonza/desktop command: ls mnt/c/users/gonza/desktop</pre>

#4	<p>Study the ls and pwd command manual</p> <p>Choose one, in your opinion the most useful, key from the manual for each of the commands. Write why you chose this key.</p> <p>Answer:</p> <p>ls {selected key} # explanation why</p> <p>pwd {selected key} # explanation why</p>	<p>1. <i>ls -a</i> #because the '-a' key is shown all files in the directory</p> <p>2. <i>pwd -P</i> #because '-P' is printed only physical path to the directory</p>
#5	<p>In the bash directory, create a hidden_dir directory. Go into it with the cd command.</p> <p>Answer: command to create a hidden directory</p>	<p><i>mkdir .hidden_dir</i></p>
#6	<p>In the hidden directory hidden_dir make a hidden empty bashfile.</p> <p>From the root directory, execute the ls command, which will display the contents of hidden_dir with the hidden file.</p> <p>Answer: command to create a hidden file</p>	<p><i>command: touch .bashfile</i></p> <p><i>command: ls -a ~/01/.hidden_dir</i></p>
#7	<p>Download branch hw7. While in your home directory, move the hidden_file file from directory one to directory two.</p> <p>Answer: command to move file</p>	<p><i>mv 01/one/.hidden_file 01/two</i></p>
#8	<p>Download branch hw8.</p> <ol style="list-style-type: none"> 1. Delete file hidden1 2. Delete the entire find_me directory <p>Answer: two commands to delete</p>	<p><i>command: rm 01/two/.hidden1</i></p> <p><i>command: rm -r 01/two/find_me</i></p>
#9	<p>Print the contents of the story.txt file with numbered lines to the console</p> <p>Answer: line output command</p>	<p><i>command: nl story.txt</i></p> <p><i>command: cat -n story.txt</i></p>

#10	<p>Find in the file story.txt all words containing the substring sub.</p> <p>Answer: command to open story.txt file</p> <p>All words containing the substring sub</p>	<p><i>grep sub 01/one/story.txt</i></p>
#11	<p>Download branch hw11</p> <p>Open first_file in nano</p> <p>Delete test3, test4, test5</p> <p>Add the entry test10 to the end of the file.</p> <p>Next, save the changes in a new file called second_file.</p> <p>Answer: command to open first_file</p> <p>Content of second_file</p>	<p><i>nano 01/two/first_file (in nano press CTRL+O and put file name "second_file")</i></p>
#12	<p>Download branch hw12</p> <p>Open first_file in vi</p> <p>Delete lines from test5 to test9 inclusive without going into edit mode.</p> <p>Do a search for the "test9" entry and make sure it doesn't exist.</p> <p>Restore the test9 entry and exit the editor, saving the result.</p> <p>Answer:</p> <p>Command to open first_file</p> <p>Command to delete lines</p> <p>Command to search for test9</p> <p>command to restore test9</p> <p>Command to exit the editor</p>	<p><i>command: vi 01/two/first_file</i></p> <p><i>command: press ESC, put cursor on first line for delete and press '5dd'</i></p> <p><i>command: press ESC, type /test9</i></p> <p><i>command: type :u</i></p> <p><i>command: press ESC, type :w for save, type :q for quit</i></p>
#13	<p>Download branch hw13</p> <p>Go to folder two</p> <p>In neighboring directories, find lines by the substring "test"</p> <p>Answer: a command to search for strings</p>	<p><i>grep -r test .</i></p>
#14	<p>List all directories within the current directory.</p> <p>List files that start with f and end with .log in the current directory and subdirectories.</p> <p>Answer: two teams</p>	<p><i>command: ls -d */</i></p> <p><i>command: find . -name 'f*.log'</i></p>

#15	<p>Download branch hw15</p> <p>Use the find command to remove the log.txt files from both folders</p> <p>The output of the find command is saved to the file delete.log</p> <p>Answer: find command</p>	<pre>find . -name 'log.txt' -delete -print > ~/01/delete.log</pre>
#16	<p>Download branch hw16</p> <p>Find all lines with the substring "Cat 1" in the animals.txt file. Write the result to the cats.txt file</p> <p>Answer: a command to complete the task</p>	<pre>grep -r 'Cat 1' > ~/01/cats.txt</pre>
#17	<p>Download branch hw16</p> <p>Find all lines with substrings "Cat 2" and "Dog 4" in one command in the animals.txt file.</p> <p>Answer: a command to complete the task</p>	<pre>grep -rE 'Cat 2 Dog 4'</pre>
#18	Stage 2	
#19	<p>Launch Chrome browser, open multiple tabs.</p> <p>One command to find the PID for all Chrome processes.</p> <p>Answer: a command to complete the task</p>	<pre>ps grep chrome.exe awk '{print \$2}'</pre>
#20	<p>Open multiple terminal tabs</p> <p>One command to kill all tabs</p> <p>Answer: a command to complete the task</p>	<pre>killall bash</pre>
#21	<p>Launch Chrome Browser</p> <p>Run process list</p> <p>From the running process list, end the Chrome browser process</p> <p>Answer: search bar, hotkey to end Chrome processes</p>	<pre>command: ps grep chrome.exe</pre> <pre>command: killall chrome</pre>
#22	<p>Send 5 test packets to learnqa.ru in 5 seconds, write the result to the ping.file file.</p> <p>Answer: a command to complete the task</p>	<pre>ping -c 5 google.ru > ~/01/ping.file</pre>

#23	<p>From the terminal, make a request to the google.com site with a search for the word BASH, write the output to the google.bash.log file</p> <p>Answer: a command to complete the task</p>	<pre>curl https://www.google.com/search?q=bash > ~/01/google.bash.log</pre>
#24	<p>Log in to the remote server ssh.learnqa.ru with login testuser and password 12344321. Find out what is in the home directory of the user testuser.</p> <p>Answer: command to log in to the specified remote server</p>	<pre>ssh testuser@ssh.learnqa.ru then enter the password 12344321</pre>
#25	<p>On the remote server ssh.learnqa.ru create a folder with your last name</p> <p>In it, create a file test1.txt</p> <p>Download file from remote server</p> <p>Rename it to changed.txt</p> <p>Upload this file to your folder on the remote server</p> <p>Answer: commands for downloading and uploading a file</p>	<pre>command: scp testuser@ssh.learnqa.ru:~/Gonza/test1.txt . command: mv test1.txt changed.txt command: scp changed.txt testuser@ssh.learnqa.ru:~/Gonza</pre>
#26	<p>In the console, get the content of the main page of the site example.com, change the title to "Changed Header" and write the result to the local file index.html</p> <p>Answer: a command to complete the task</p>	<pre>curl example.com sed 's/Example Domain/Changed Header/g' > index.html</pre>
#27	<p>Launch Chrome browser, open multiple tabs. Write down all PIDs for Chrome browser tabs into the ChromePIDs.txt file.</p> <p>Answer: a command to complete the task</p>	<pre>ps grep chrome.exe awk '{print \$2}' > ChromePIDs.txt</pre>

#28	<p>Launch Chrome browser, open multiple tabs. Kill all tabs by passing their PID to the kill command Answer: a command to complete the task</p>	<pre>ps grep chrome.exe awk '{print \$2}' xargs kill -9</pre>
#29	<p>Find out the value of the Path variable on your system Answer: a command to complete the task</p>	<pre>echo \$PATH</pre>
#30	<p>The cal command displays a calendar. Make it so that at the start of the session a calendar for the current year is displayed Answer: a command to complete the task</p>	<pre>echo cal >> ~/.bashrc</pre>
#31	<p>Make the console prompt look like this: [21:11:57][username][~/bash]: Answer: the value of the variable needed for this</p>	<pre>PS1="[\\t][\\u@\\h][\\w]:"</pre>
#32	<p>Create a find_hidden_files command that will search the current directory for all files starting with . and display a list of them. Answer: command line</p>	<pre>alias find_hidden_files="find . -name '.*'"</pre>
#33	<p>Write a command that gets a list of all processes and saves their PIDs to pids.txt Run this command Make sure this command is in history Repeat the execution of the command without typing it again and without using the arrows on the keyboard Repeat command execution by finding it through command search Answer: part of the history, starting with the command and ending with the search performed</p>	<pre>610 ps aux awk '{print \$2}' > pids.txt 611 history gonza@DESKTOP-0VIP3J9:~\$!-2 ps aux awk '{print \$2}' > pids.txt (reverse-i-search)`ps': ps aux awk '{print \$2}' > pids.txt</pre>