

Operating Systems



Lab #4

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The purpose of this list is to introduce concept of shell.

Run your Linux terminal or online Linux terminal on website <https://copy.sh/v86/?profile=linux26> :

```
/root% _
```

Task #1

How to list all available commands that can be run from command prompt?

Create in **/home** subdirectory with your student ID. Go to that subdirectory.

Task #2

Using **vi editor (vi command)** and **shell (sh command)** create a **script file named script**, that after execution will:

- a) display working directory
- b) display kernel version
- c) prompt a user for a password until wshstudent is typed
all typed incorrect passwords are written to a file named bad_pass.

An execution example of this script is presented below:

```
----  
Displaying working directory: /home/111222  
----  
Displaying kernel version: 2.6.34.14  
----  
Type password: a  
Password incorrect. Please type it again: 1234  
Password incorrect. Please type it again: wshstudent
```

Some more info about shell (sh) commands and scripts can be found here:

<https://www.computerhope.com/unix/ush.htm>