Assignment 1

(Due 15.04.2014)

1. **Linux basics**
   1. What command should be used to change to the /usr/bin directory?
      1. mv /usr/bin
      2. ls /usr/bin
      3. cp /usr/bin
      4. cd /usr/bin
   2. What command should be used to list the contents of the /home directory?
      1. ls /home
      2. cp /home
      3. mv /home
      4. cd /home
   3. What command should be used to copy recursively the contents of the /home/source directory to the /home/test directory?
      1. cp /home/source /home/test
      2. nano /home/source /home/test
      3. ls /home/source /home/test
      4. cp -R /home/source /home/test
   4. What command should be used to move the /home/app directory to the /var directory?
      1. rm /home/app /var
      2. mv /home/app /var
      3. cp /home/app /var
      4. pwd /home/app /var
   5. What command should be used to remove the /home/file.txt file?
      1. mv /home/file.txt
      2. rm /home/file.txt
      3. cp /home/file.txt
      4. rsync /home/file.txt
   6. What command can be used to open the /home/file.txt for editing?
      1. rm /home/file.txt
      2. git /home/file.txt
      3. nano /home/file.txt
      4. touch /home/file.txt
   7. On a default Ubuntu installation what command should be used for installing git?
      1. npm install git
      2. apt-get install git
      3. gem install git
      4. yum install git
   8. What command can be used to display the current directory?
      1. mv
      2. cp
      3. ls
      4. pwd
   9. What is the most commonly used directory for the users file in Linux?
      1. /home/user
      2. /var/user
      3. /tmp/user
      4. /usr/user
   10. In which directory are most commonly located Linux program executables?
       1. /var/log
       2. /usr/bin
       3. /home/user
       4. /etc/
   11. Which directory is most commonly used for storing configuration settings in Linux?
       1. /var/lib
       2. /usr/lib
       3. /etc
       4. /usr/bin
   12. What is the most common scenario when compiling programs from source?
       1. ./configure; make; make install
       2. make; ./configure; make insall
       3. make install; make; ./configure
       4. make install; ./configure; make
2. **Git basics**
   1. What git command is used to clone a git repository?
      1. git pull
      2. git fetch
      3. git clone
      4. git init
   2. What command should be used to setup a local git repository?
      1. git new
      2. git install
      3. git init
      4. git branch
   3. What command should be used to add files to be commited in the next git commit?
      1. git add
      2. git fetch
      3. git store
      4. git pull
   4. What command should be used to commit changes to a local git repository?
      1. git set
      2. git push
      3. git add
      4. git commit
   5. What command should be used to push changes to a remote git branch?
      1. git fetch
      2. git push
      3. git install
      4. git init
3. **Ruby basics**
   1. What is the name of the ruby package manager?
      1. gem
      2. npm
      3. pip
      4. pear
   2. What is the command that should be used to install a ruby package?
      1. bundle install
      2. bundle install package
      3. gem fetch package
      4. gem install package
   3. What is the command to update a ruby package?
      1. bundle update package
      2. gem update package
      3. gem update -g package
      4. bundle install package
   4. What is the most common way for managing project package dependencies?
      1. Describe all the packages in a text file and insall the manually
      2. Create an automated script which runs all the necessary commands to install the packages
      3. Put all the dependencies in a Gemfile and use bundler
      4. Put all the dependencies in the Documentation of the project
4. **SQL Basics**
   1. Write a SQL statement for creating a users table with an id, username, password, created\_at columns:
   2. Write a SQL statement for updating the password column in the users table for a user with an id of 1:
   3. Write a SQL statement for inserting a new user in the users table with the following data: username: Test; password: 123456; id: 5, created\_at: 2013-10-10 23:59:50:
   4. Write a SQL statement for selecting the username field in the users table for user with the id of 5:
   5. Write a SQL statement for deleting a user in the users table with an id of 5: