Ministerul Educaţiei al Republicii Moldova

Universitatea Tehnică a Moldovei

Catedra Tehnologii Informaționale

RAPORT

Lucrarea de laborator nr.2

la Medii Interactive de Dezvoltare a Produselor Soft

A efectuat: st.gr.TI-143

Dumbrava Alexandru

A verificat: *lector superior:*

Cojocaru Svetlana

lector asistent:

Irina Cojanu

Chişinău 2016

Tema: Version Control System si modulul de setare a unui server

Scopul lucrării:

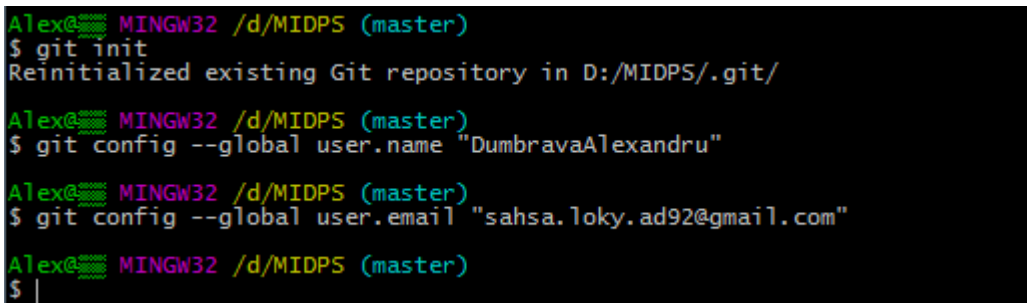
- Intelegerea si folosirea CLI (basic level)
- Administrarea remote a masinilor linux machine folosind SSH (remote code editing)
- Version Control Systems (git || mercurial || svn)
- Compileaza codul C/C++/Java/Python prin intermediul CLI, folosind compilatoarele gcc/g++/javac/python

Formularea condiţiei problemei (sarcina de lucru):

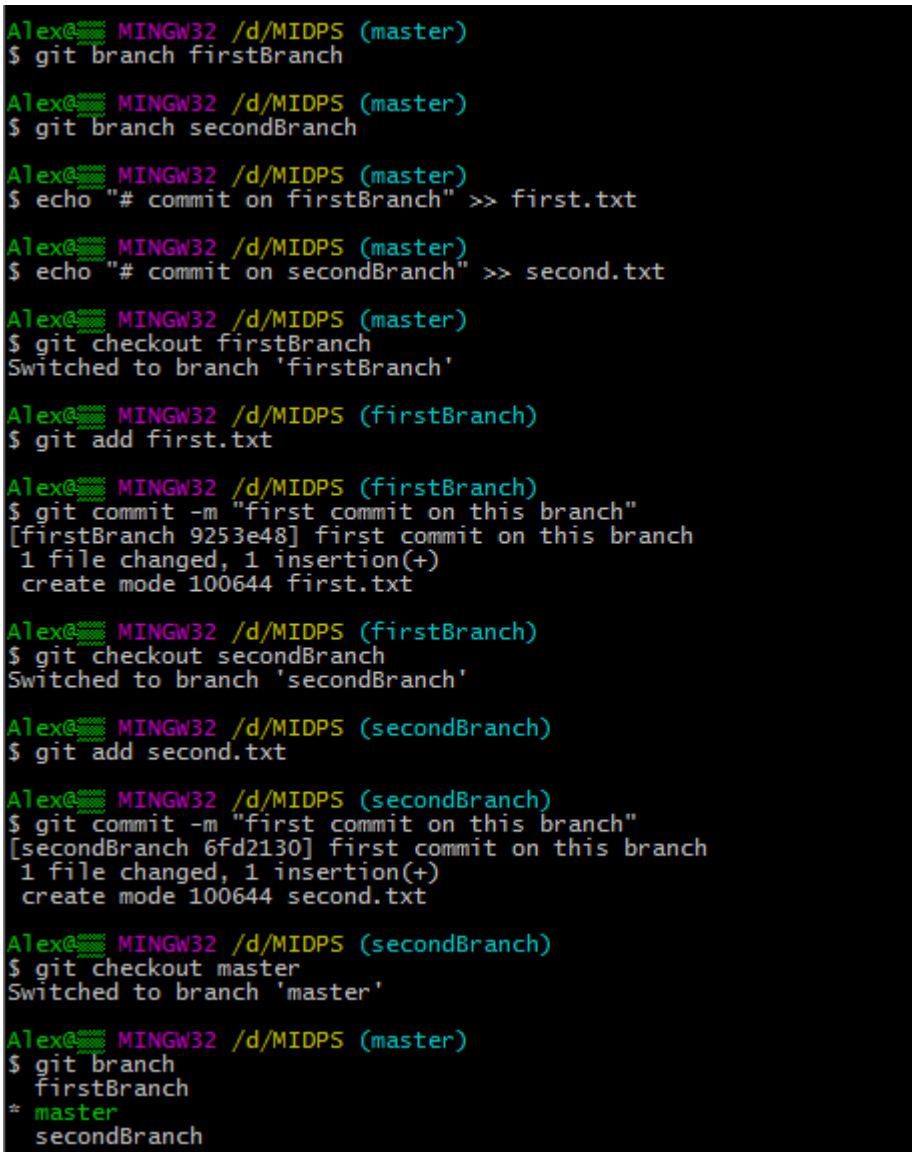
- *Basic Level* (nota 5 || 6) :
  - conecteaza-te la server folosind SSH
  - compileaza cel putin 2 sample programs din setul HelloWolrdPrograms folosind CLI
  - executa primul commit folosind VCS
- *Normal Level* (nota 7 || 8):
  - initializeaza un nou repositoriu
  - configureaza-ti VCS
  - crearea branch-urilor (creeaza cel putin 2 branches)
  - commit pe ambele branch-uri (cel putin 1 commit per branch)
- *Advanced Level* (grade 9 || 10):
  - seteaza un branch to track a remote origin pe care vei putea sa faci push (ex. Github, Bitbucket or custom server)
  - reseteaza un branch la commit-ul anterior
  - merge 2 branches
  - conflict solving between 2 branches
- *Bonus Point*:
  - Scrie un script care va compila HelloWolrdPrograms projects.

Implimentare task-uri:

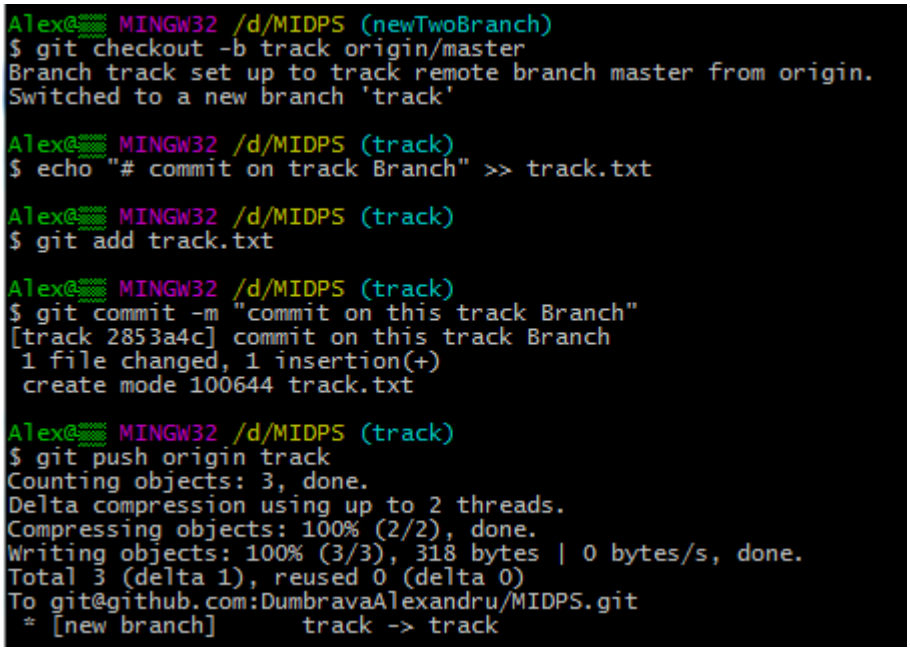
- *Normal Level* (nota 7 || 8):
  - initializeaza un nou repositoriu
  - configureaza-ti VCS



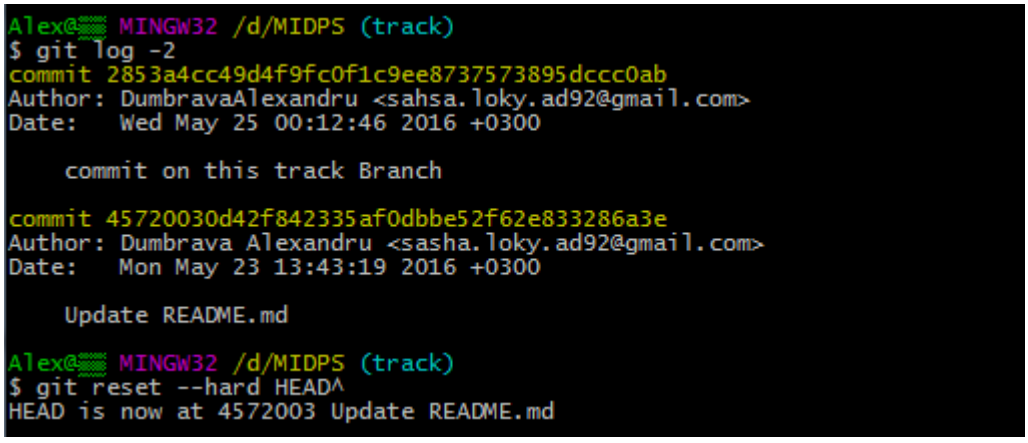
- crearea branch-urilor (creeaza cel putin 2 branches)
- commit pe ambele branch-uri (cel putin 1 commit per branch)



- *Advanced Level* (grade 9 || 10):
    - seteaza un branch to track a remote origin pe care vei putea sa faci push (ex. Github, Bitbucket or custom server)



    - reseteaza un branch la commit-ul anterior



    - merge 2 branches
    - conflict solving between 2 branches

Concluzie:

In urma efectuarii acestei lucrari de laborator au fost capatate primele deprinderi de baza in lucrul cu un VCS. In aceasta lucrare de laborator a fost folosit GIT ca fiind unul dintre cele mai populare VCS si unul dintre cele mai comode in lucru.

Link-ul catre repozitoriu:

https://github.com/DumbravaAlexandru/MIDPS