**CS423 – Assignment – 4**

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Play 1:

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- name: play1

hosts: all

become: true

tasks:

- name: ping servers

action: ping

- name: Output System Summary

shell: free -m

register: ram\_usage

- name: Print RAM usage

debug:

var: ram\_usage

- name: Install Git

apt:

name: git

state: present

Output Play 1:

![Text

Description automatically generated with medium confidence]()

Play 2:

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- name: Playbook 2

hosts: webservers

become: true

tasks:

- name: Remove if nginx has repo

shell: rm -rf /var/www/html/\*

- name: Install nginx

apt:

name: nginx

state: present

- name: Enable and start nginx

service:

name: nginx

enabled: true

state: started

- name: Remove Repo if exist

shell: rm -rf ~/icet2020

- name: Clone git repository

git:

repo: https://github.com/msajidaligik/gik-fcse-icet2022.git

dest: ~/icet2022

- name: Copy repository to nginx root

shell: mv ~/icet2022/\* /var/www/html/

- name: Restart nginx

service:

name: nginx

state: restarted

Output Play 2:

![Graphical user interface, text

Description automatically generated]()

Run docker ps:

![Text

Description automatically generated]()

Play 3:

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- name: Playbook 3

hosts: databaseserver

tasks:

- name: Install PostgreSQL

apt:

name: postgresql

state: present

become: yes

- name: Start and Enable PostgreSQL service

service:

name: postgresql

state: started

enabled: yes

become: yes

- name: Install pgAdmin Client

apt:

name: pgadmin4

state: present

become: yes

- name: Connect to database with pgAdmin

uri:

url: http://localhost/

return\_content: yes

Output Play 3:

![Text

Description automatically generated]()