

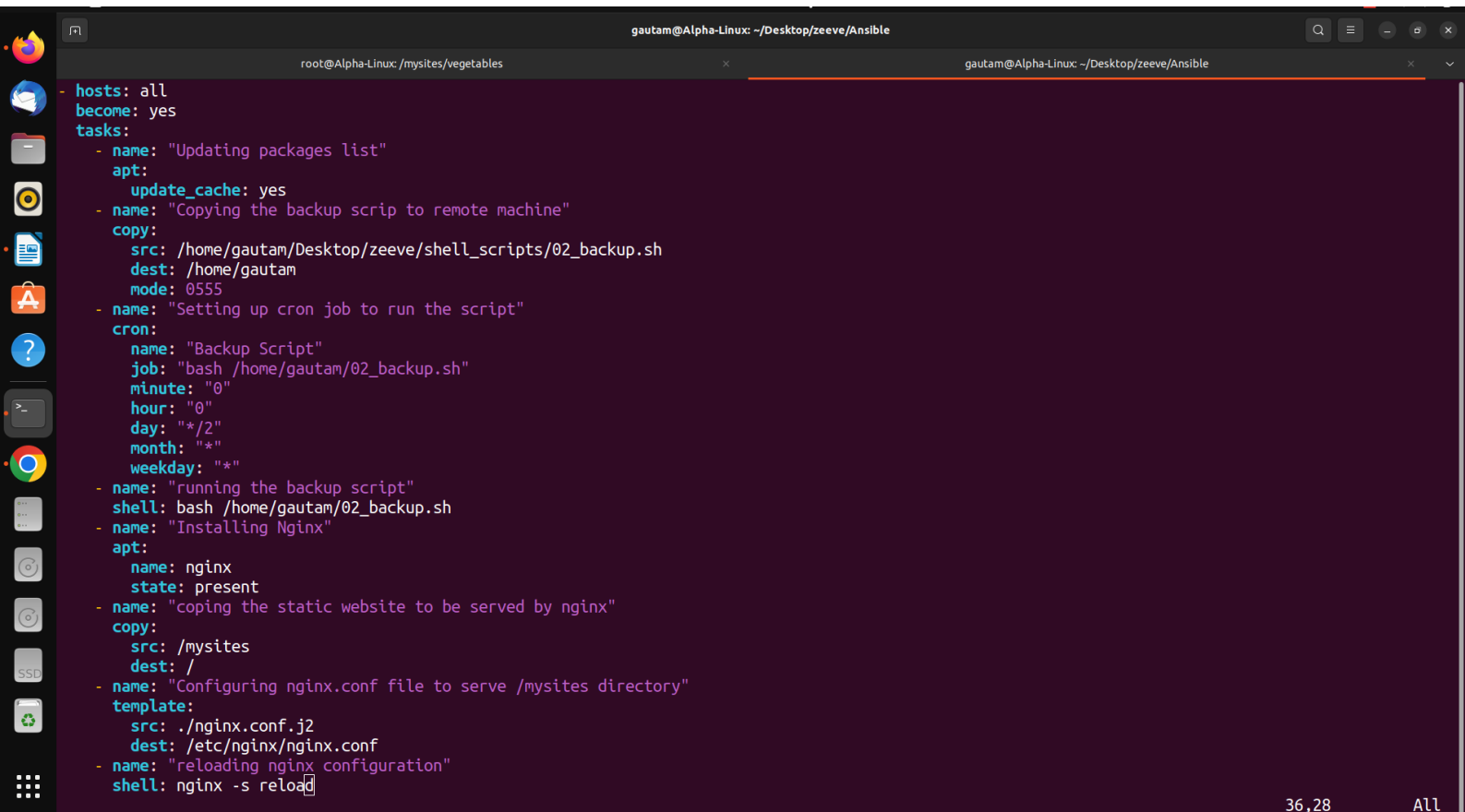
# Assignment 2

## Ansible

Q :- Have to do the following task on remote server using ansible playbook

- update all the package list on ubuntu server
- copy the backup script to remote server which compres the mysql data files into a tar file and then puch it to s3 bucket
- Setup cron job to run the same backup script every 2<sup>nd</sup> day
- run the backup script
- Install nginx
- Copy a static website data to the remote server to serve it from nginx
- Configure nginx.conf file to serve the copied website and serve different content on different end points
- Reload the nginx to access the webbsite from browser

Ansible playbook to do all te above task

A screenshot of a terminal window displaying an Ansible playbook. The terminal has a dark background with light-colored text. The playbook is written in a structured format with indentation. The tasks include updating package lists, copying a backup script, setting up a cron job, running the backup script, installing nginx, copying static website data, configuring nginx.conf, and reloading the nginx configuration. The terminal window has a title bar that reads 'gautam@Alpha-Linux: ~/Desktop/zeeve/Ansible'. The left sidebar shows various application icons. The bottom right corner of the terminal window displays '36,28' and 'All'.

```
hosts: all
become: yes
tasks:
  - name: "Updating packages list"
    apt:
      update_cache: yes
  - name: "Copying the backup scrip to remote machine"
    copy:
      src: /home/gautam/Desktop/zeeve/shell_scripts/02_backup.sh
      dest: /home/gautam
      mode: 0555
  - name: "Setting up cron job to run the script"
    cron:
      name: "Backup Script"
      job: "bash /home/gautam/02_backup.sh"
      minute: "0"
      hour: "0"
      day: "*/2"
      month: "*"
      weekday: "*"
  - name: "running the backup script"
    shell: bash /home/gautam/02_backup.sh
  - name: "Installing Nginx"
    apt:
      name: nginx
      state: present
  - name: "coping the static website to be served by nginx"
    copy:
      src: /mysites
      dest: /
  - name: "Configuring nginx.conf file to serve /mysites directory"
    template:
      src: ./nginx.conf.j2
      dest: /etc/nginx/nginx.conf
  - name: "reloading nginx configuration"
    shell: nginx -s reload
```

## nginx configuration file jinja2 template

gautam@Alpha-Linux: ~/Des

root@Alpha-Linux: /mysites/vegetables

```
http {
    include mime.types;

    server {
        listen 8080;
        root /mysites/;

        rewrite ^/number/(\w+) /count/$1;

        location ~* /count/[0-9] {
            root /mysites/;
            try_files /index.html =404;
        }

        location /fruits {
            root /mysites/;
        }
        location /carbs{
            alias /mysites/fruits;
        }
        location /vegetables {
            root /mysites/;
            try_files /vegetables/veggies.html /index.html =404;
        }

        location /crops {
            return 307 /fruits;
        }
    }
}

events {}

"nginx.conf.j2" 33L, 490B
```