PREPARATION:

1.In RHEL must subscribe to red hat so you can access the repository to install httpd

2. install EPEL Repo in your RHEL

- subscription-manager repos --enable codeready-builder-for-rhel-9-$(arch)-rpms
- dnf install https://dl.fedoraproject.org/pub/epel/epel-release-latest-9.noarch.rpm -y

STEP-BY-STEP

1. install package

dnf install python3 -y

dnf install python3-pip -y

dnf install httpd -y

dnf install mod_wsgi -y

2. all website content must be in /var/www/html

3. configure the httpd.conf

vim /etc/https/conf/httpd.conf

DocumentRoot "/var/www/html"

ServerName 172.25.250.10

WSGIDaemonProcess flaskapp threads=5

WSGIScriptAlias / /var/www/html/app.wsgi

<Directory "/var/www">

   AllowOverride None

   # Allow open access:

   Require all granted

</Directory>

Further relax access to the default document root:

<Directory "/var/www/html">

   WSGIProcessGroup flaskapp

WSGIApplicationGroup %{GLOBAL}

Require all granted

Options Indexes FollowSymLinks

AllowOverride None

Require all granted

</Directory>

4. configure app.wsgi

vim /var/www/html/app.wsgi

import sys

sys.path.insert(0, '/var/www/html')

from app import app as application

5. permissions folder

chmod -R 755 /var/www/html

chmod +x /var/www/html/app.py

6. configure the firewall for httpd service

systemctl enable --now httpd

firewall-cmd --permanent --add-service=http

firewall-cmd --permanent --add-port=80/tcp

firewall-cmd --reload

systemctl restart httpd

7. installing library for python

pip install flask

pip install requests

8. run the website on browser by inputing http://172.25.250.10 as the address