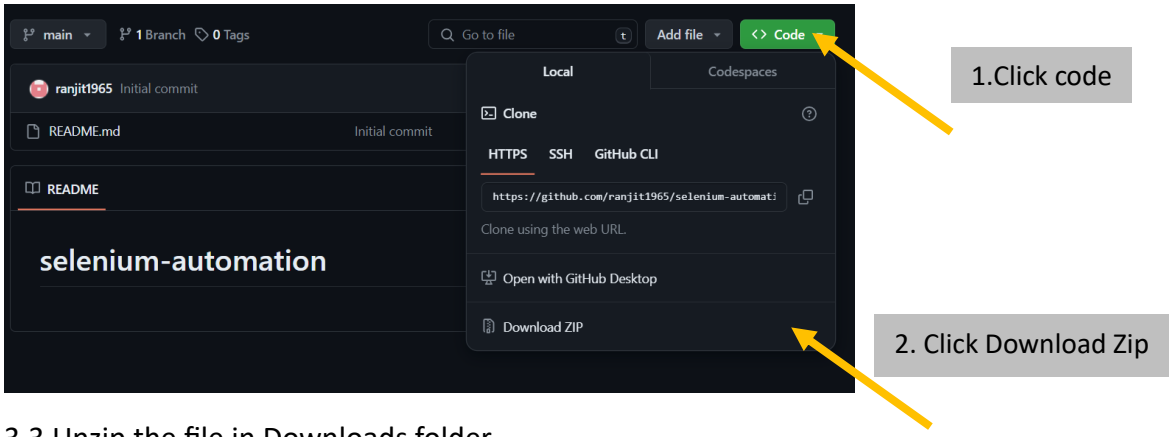
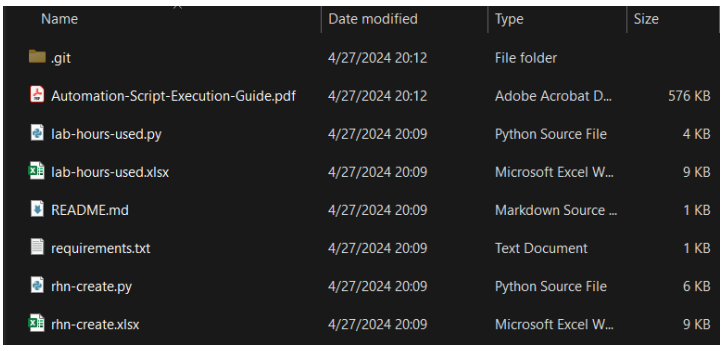
AUTOMATION SCRIPT EXECUTION GUIDE

1. Check whether Python is installed in your system
   1.1. To check open command in prompt in your system
   1.2. Type the following command
      1.2.1.1. `python –version`
      1.2.1.2. It shows the version of the python
      1.2.1.3. If it does not shows the version you need to download it
2. If python is not installed follow the guide to download and install python
   2.1. https://www.simplilearn.com/tutorials/python-tutorial/python-installation-on-windows
3. After the Installation of python, Go to following Url
   3.1. https://github.com/ranjit1965/selenium-automation.git
   3.2. Download the Zip file

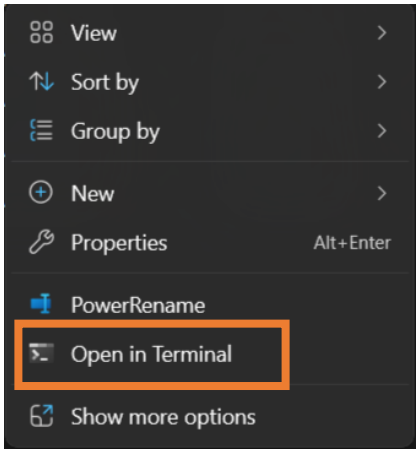


   3.3 Unzip the file in Downloads folder

4.Go to the folder in file explorer,



5.Now right click with mouse and select option as open in terminal



4. After opening the command prompt type the following command to install necessary packages.
   4.1. `pip install -r requirements.txt`
5. To check lab hours used, execute the lab-hours-used.py using the following command
   5.1. `py lab-hours-used.py`
6. To create RHN-ID's, execute the rhn-create.py using the following command
   6.1. `py rhn-create.py`

ATTRIBUTES OF THE FILE

1. `rhn-create.py file`

email-d	phone number	first name	last name	report

Copy the email-id, phone number, first name and last name and paste it into the excel sheet in the appropriate column respectively and please do not leave empty line in between the rows

1.1 Open rhn-create.py file in notepad.

```
passwd="vectra123."              # mention the password to be set
company_name = "Thamrabharani Engineering College"       # mention the name of the college or name
address="Palayamkottai"             # mention the address as direct value
city="Tirunelveli"                # mention the city as direct value
```

1. Lets look into values of the code.
2. passwd : specify the default password to be set like
   `passwd= “vectra123.”`
3. company_name : specify the college name for the students like
   `company_name=”Thamirabharani Engineering College”`

4. address: specify the address of the college like
   `address=”Thatchanallur”`
5. city: specify the city of the college like
   `city=”Tirunelveli”`
6. That’s all execute the file using the following command
   `py rhn-create.py`
7. The mail will be automatically sent to the mail-id of the student

2. lab-hours-used.py

Rhn-Id	Lab hours used

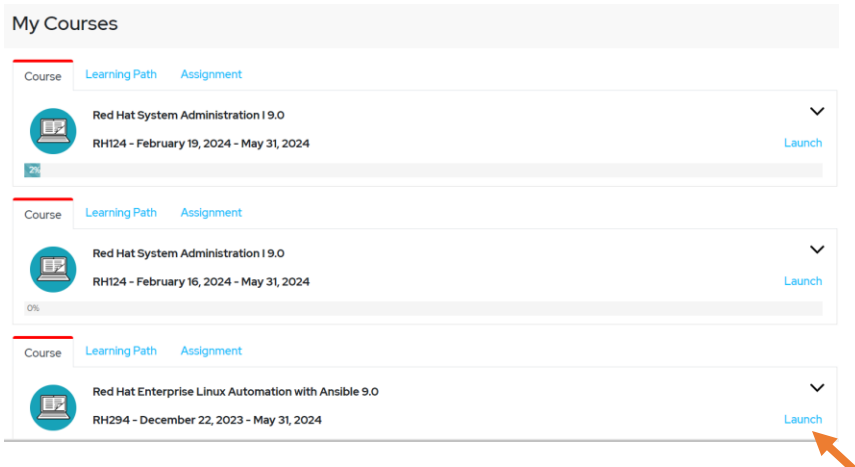
Copy the Rhn-id and paste it into the excel in the first column and please do not leave empty line in between the rows

Open lab-hours-used.py file in notepad

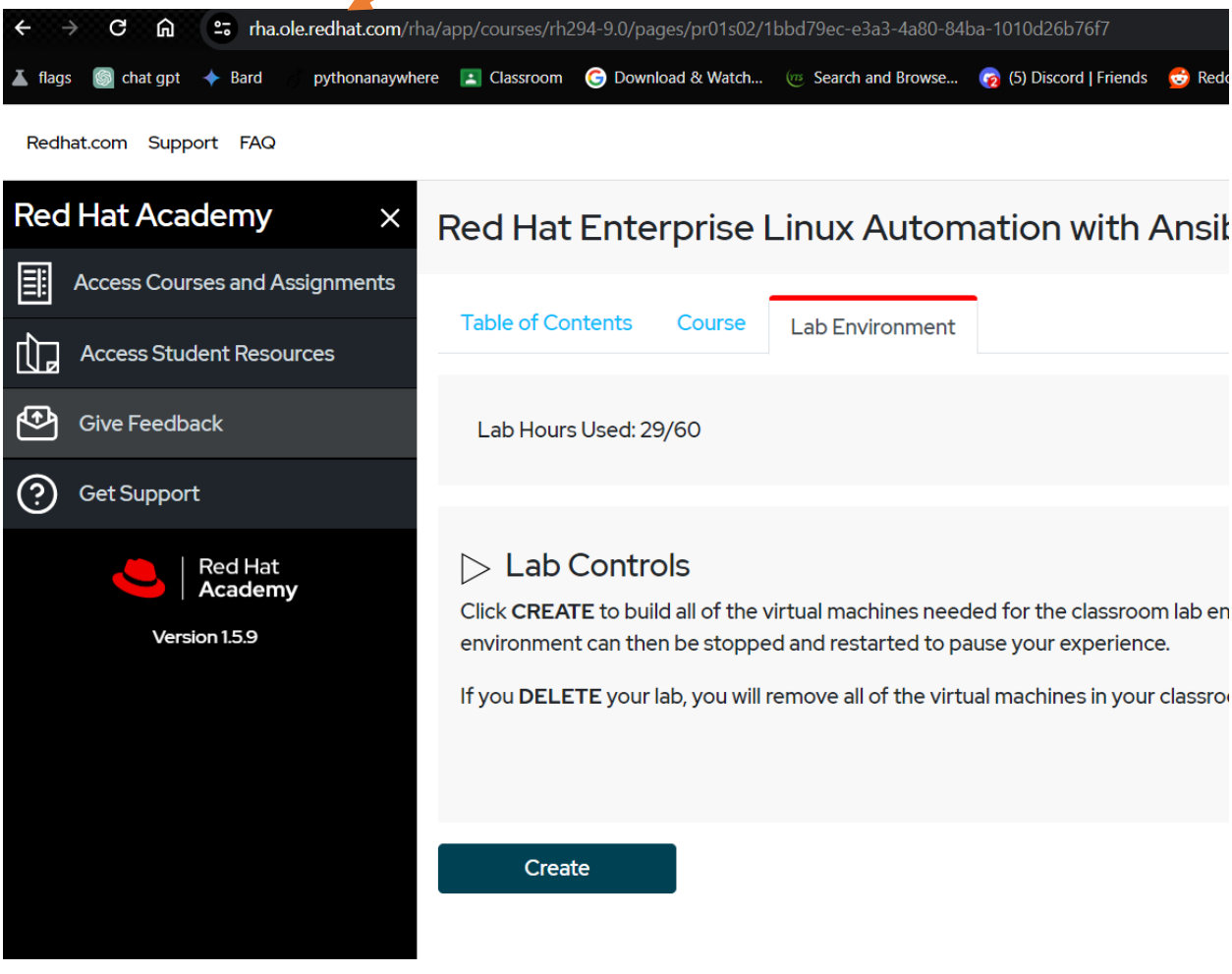
```
passwd="Itech@123"          # mention the password of rhn id's
course_page_url='https://rha.ole.redhat.com/rha/app/courses/rh124-9.0/pages/pr01/1d8c88e3-618c-41

# mention the url of preferred class and course url in the course_page_url
```

Before that do manually for one of students,

1. Login to redhat academy with the proper credentials
2. Select the course you want to retrieve the lab hours used details and click the launch button of the preferred classroom of the course


My Courses
Course
Learning Path
Assignment
Red Hat System Administration I 9.0
RH124 - February 19, 2024 - May 31, 2024
Launch
Course
Learning Path
Assignment
Red Hat System Administration I 9.0
RH124 - February 16, 2024 - May 31, 2024
Launch
Course
Learning Path
Assignment
Red Hat Enterprise Linux Automation with Ansible 9.0
RH294 - December 22, 2023 - May 31, 2024
Launch

Copy the url


rha.ole.redhat.com/rha/app/courses/rh294-9.0/pages/pr01s02/1bbd79ec-e3a3-4a80-84ba-1010d26b76f7
flags
chat gpt
Bard
pythonanaywhere
Classroom
Download & Watch...
Search and Browse...
(5) Discord | Friends
Redhat.com
Support
FAQ
Red Hat Academy
Access Courses and Assignments
Access Student Resources
Give Feedback
Get Support
Red Hat Academy
Version 1.5.9
Red Hat Enterprise Linux Automation with Ansib
Table of Contents
Course
Lab Environment
Lab Hours Used: 29/60
Lab Controls
Click CREATE to build all of the virtual machines needed for the classroom lab en
environment can then be stopped and restarted to pause your experience.
If you DELETE your lab, you will remove all of the virtual machines in your classro
Create

Paste the url in the course_page_url inside the quotation symbol ‘’

```
course_page_url=’
https://rha.ole.redhat.com/rha/app/courses/rh294-
9.0/pages/pr01s02/1bbd79ec-e3a3-4a80-84ba-1010d26b76f7’
```

Lets crack the url,

It contains the course code with the rhel version in url for RHCE it has rh294-9.0.

Then it contains a unique id for the each classroom.

So if we multiple classroom for single college, we need to change the url accordingly for the students either department wise or college wise.

This reduces the work if the student has multiple classes like rhcsa, rhcsa extended, rhce it help us to choose the particular class.

1. Lets look into values of the code.
2. passwd : specify the default password to be set like
   `passwd= “vectra123.”`
3. That’s all execute the file using the following command
   `py rhn-create.py`
4. It will automatically collect lab hours used data and store it that particular column you want to write if there is any error in the credential it will also automatically write to the excel sheet

3. cert-valid.py file

certicate-id	validity

Copy the certificate-id and paste it into the excel in the first column and please do not leave empty line in between the rows

Then execute the code :

```
py cert-valid.py
```

It will automatically collect the expiry date information and store it in the second column of the excel sheet after the code stops you can see that