

Title : To demonstrate different programming languages as well as provisioning and scaling of websites.

Description :

CodeNVY

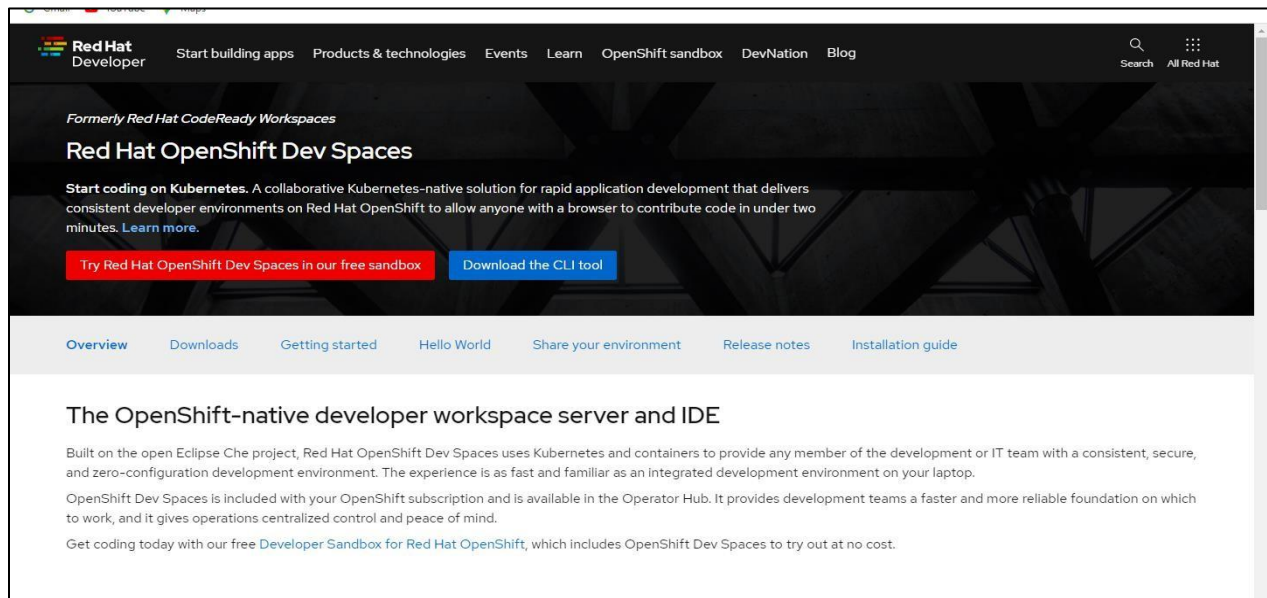
- Codenvy is a workspace platform for development and operations professionals. It enables users to edit, run and debug code. It offers cloud-based and on-premise deployments. When users begin a new project, production runtimes are defined by existing Docker and Compose files.
- Codenvy allows developers to: -
 - Start a project in seconds, from any computer.
 - Work on-prem or in the cloud with an adaptable and well-paced IDE .
 - Configure workspaces to include any stack using Dockerfiles.
 - Customize the IDE with Eclipse Che extensions and assemblies.
 - Launch parallel processes to build, run and deploy.
 - Work online, or offline with CLI push, pull and clone.

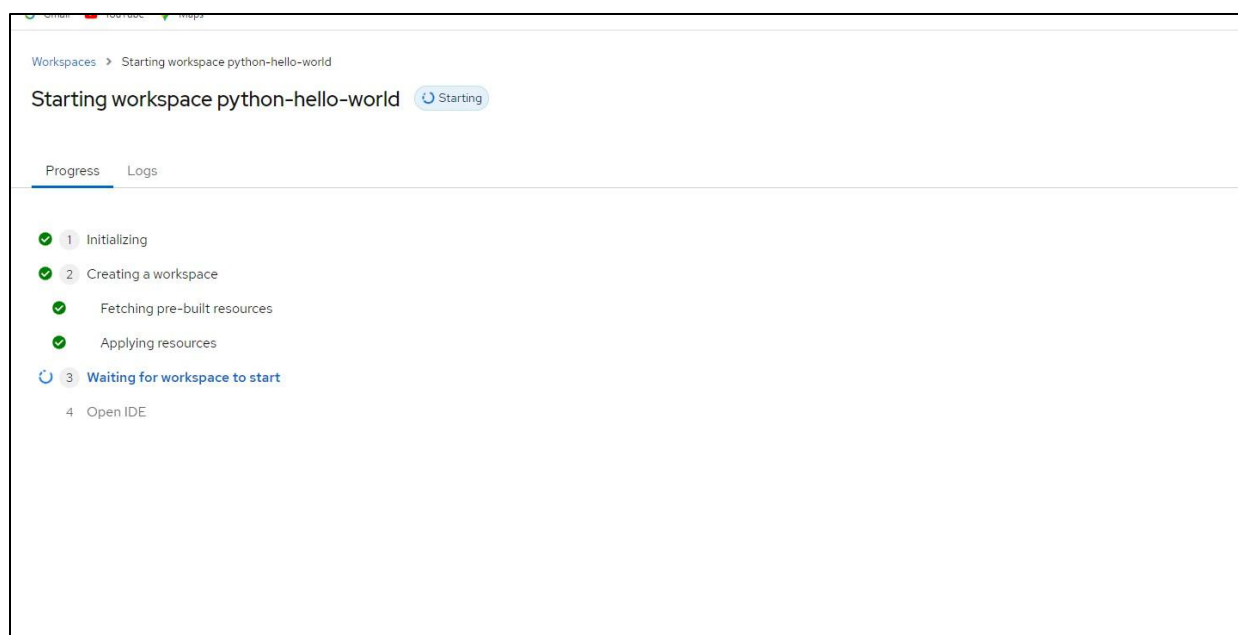
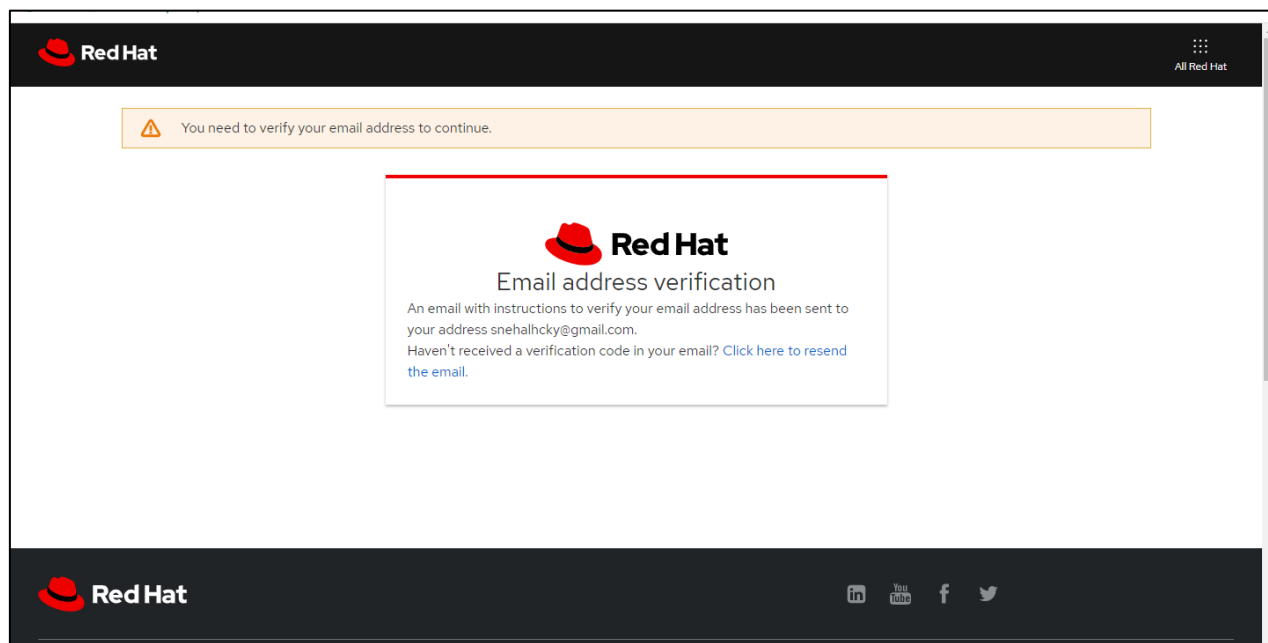
Steps :

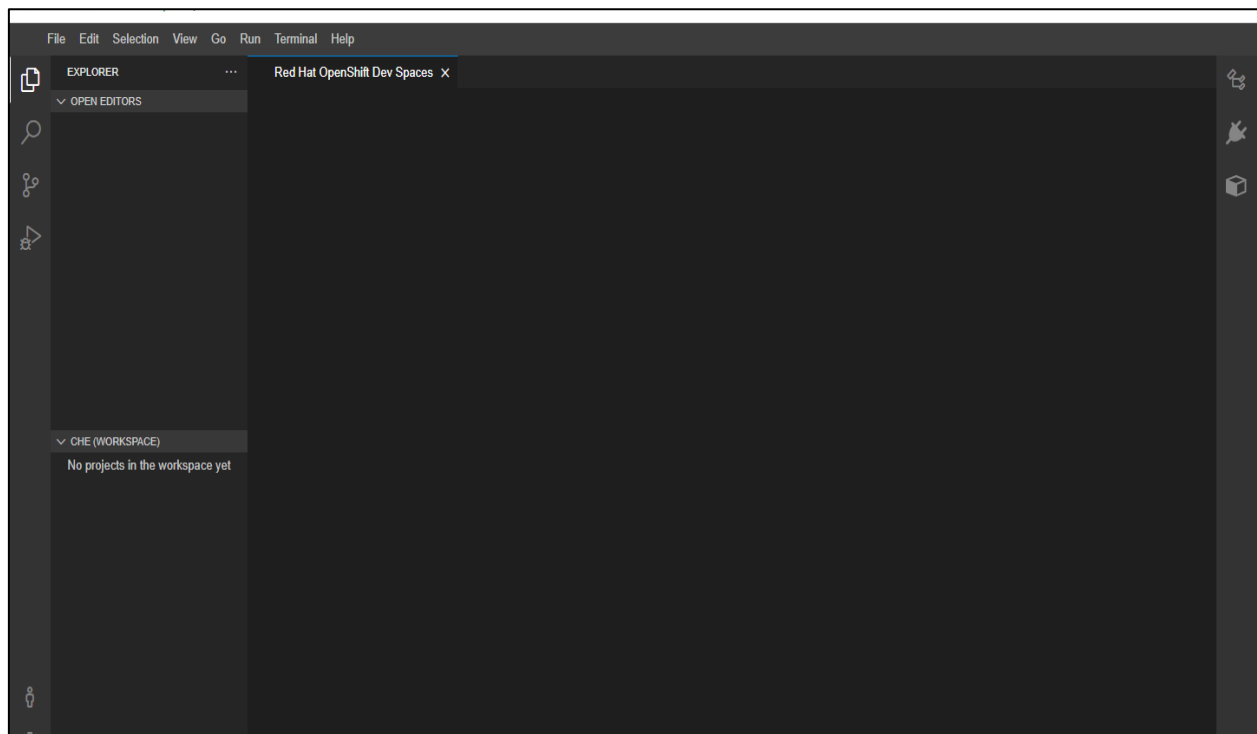
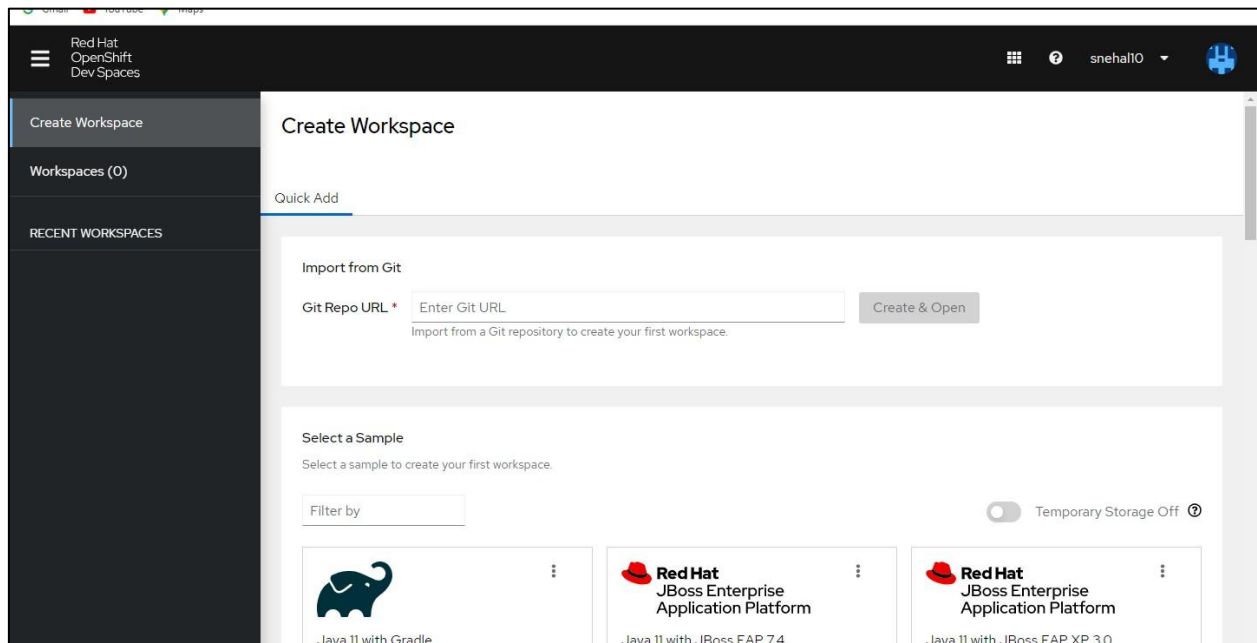
- Go to <https://moodle.org/>
- To find documentation you can click on **Documentation** Tab
- On Main Page there is a **Demo** Section, click to open it
- To try moodle, click on Mount Orange School

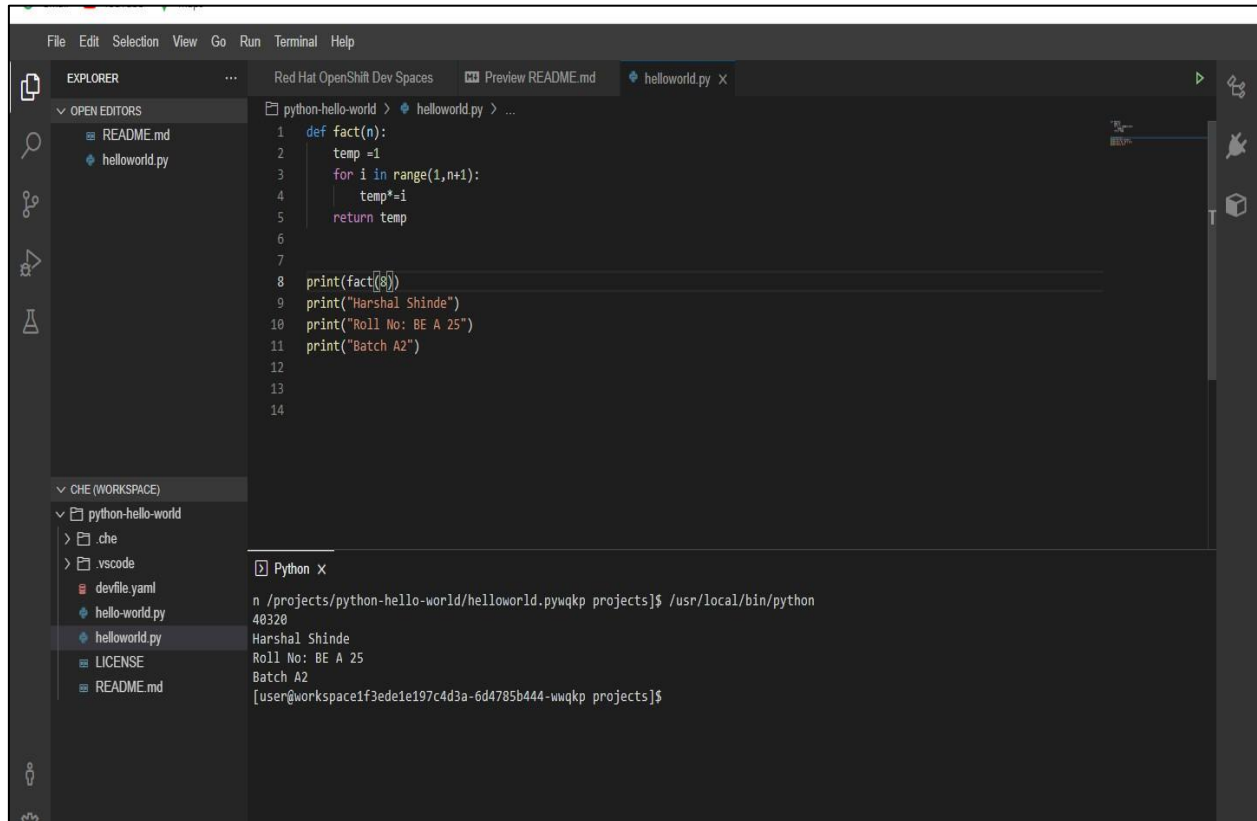
- You will find two sections: **About Mount Orange & See Moodle in action**
- Click **choose a role** in **See Moodle in action**
- Now you will find different roles such Teacher, Student, Manager, Parent, etc
- In **Student** role, you can view Courses added by Teacher
- In **Teacher** role, you can edit courses and change the layouts of courses
- In **Manager** role, you can build, supervise and manage things

Images :







A screenshot of a Visual Studio Code editor interface. The Explorer sidebar on the left shows a project named 'python-hello-world' with files 'README.md' and 'helloworld.py'. The main editor window displays the 'helloworld.py' file with the following Python code:

```
1 def fact(n):
2     temp = 1
3     for i in range(1, n+1):
4         temp *= i
5     return temp
6
7
8 print(fact(8))
9 print("Harshal Shinde")
10 print("Roll No: BE A 25")
11 print("Batch A2")
12
13
14
```

The bottom panel shows a terminal window with the command `python helloworld.py` and its output:

```
40320
Harshal Shinde
Roll No: BE A 25
Batch A2
[user@workspace1f3ede1e197c4d3a-6d4785b444-wwqkp projects]$
```

Websites Visited :

Sr No	Name	URL
1	Codenvy	Click here to open

Conclusion : In this practical we learned about architecture of Codenvy and understood process of writing programs in different languages dynamically.

Sign