

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

Description :

CodeNVY

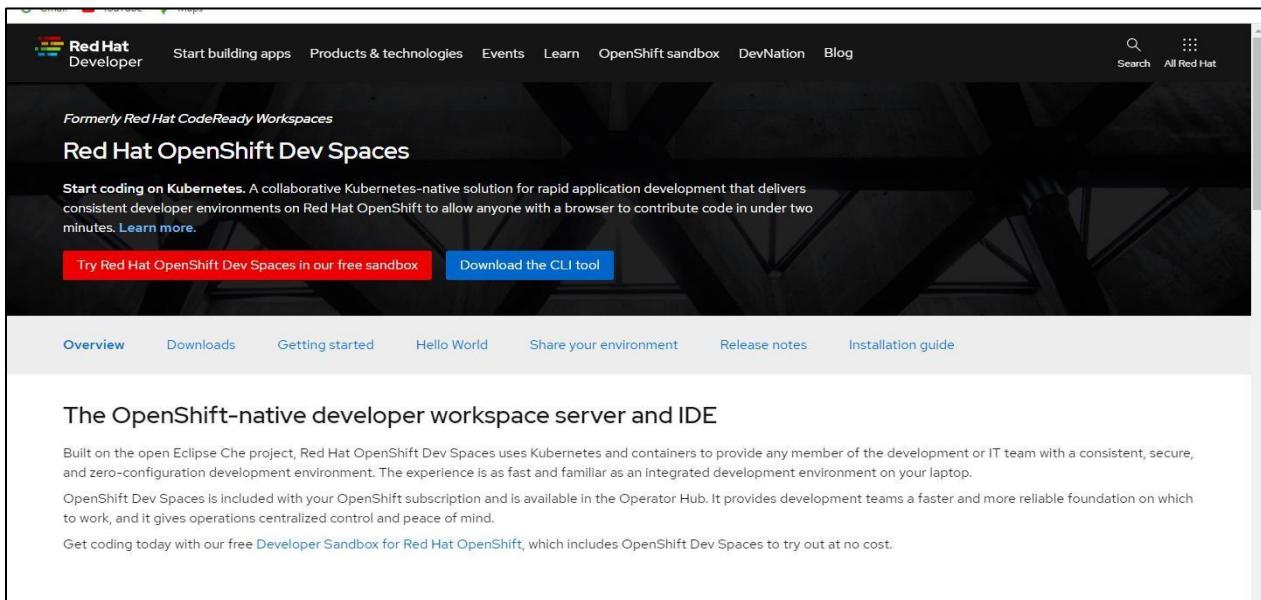
- Codenvy is a workspace platform for development and operations professionals. It enables users to edit, run and debug code. It offers cloud-based and on-premise deployments. When users begin a new project, production runtimes are defined by existing Docker and Compose files.
- Codenvy allows developers 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.

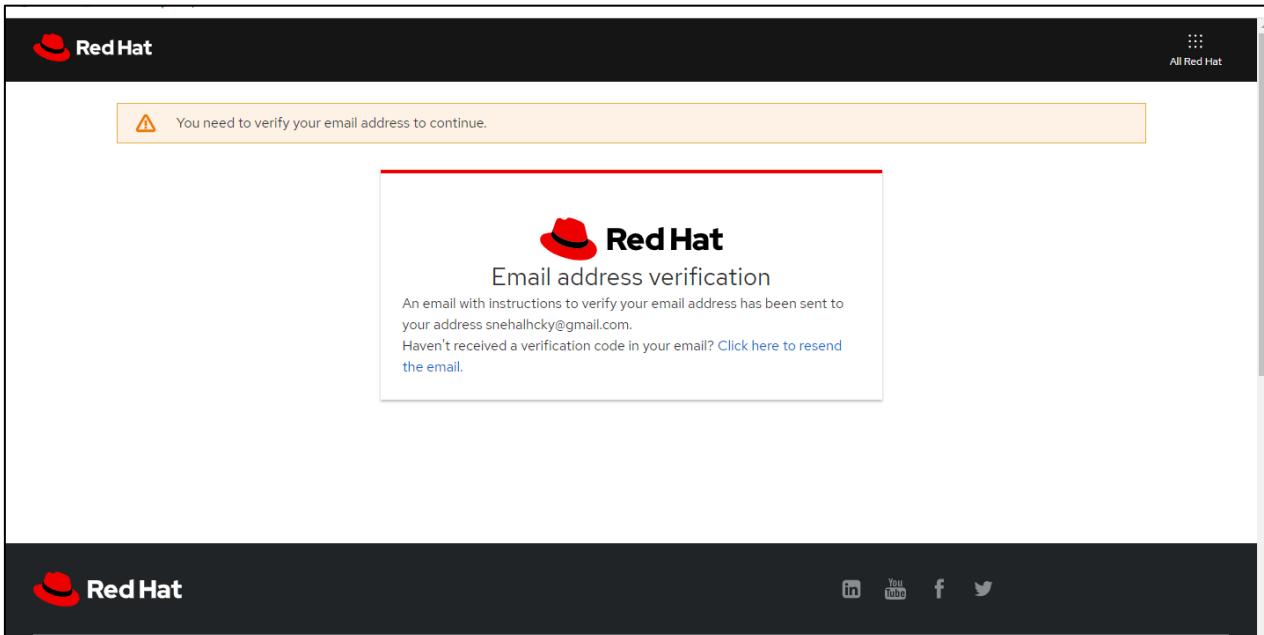
Steps :

- 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 :





The screenshot displays two windows related to Red Hat OpenShift Dev Spaces.

Top Window: Create Workspace

- Left Sidebar:** Shows "Create Workspace" selected, "Workspaces (0)", and "RECENT WORKSPACES".
- Content Area:** "Quick Add" tab selected.
 - Import from Git:** A form with "Git Repo URL *" and a placeholder "Enter Git URL". A "Create & Open" button is next to it.
 - Select a Sample:** A section with a "Filter by" input field and three sample workspace cards:
 - Java 11 with Gradle:** Icon of a blue elephant.
 - Java 11 with JBoss EAP 7.4:** Icon of a red hat.
 - Java 11 with JBoss EAP XP 3.0:** Icon of a red hat.
 - Temporary Storage Off:** A toggle switch.

Bottom Window: Code Editor

- Toolbar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Explorer Bar:** Shows "OPEN EDITORS" expanded.
- Editor Area:** A dark workspace showing a tree view under "CHE (WORKSPACE)". The root node is "No projects in the workspace yet".

The screenshot shows the Red Hat OpenShift Dev Spaces interface. At the top, there's a navigation bar with File, Edit, Selection, View, Go, Run, Terminal, and Help. Below it is an Explorer sidebar with icons for file operations like Open, Create, and Refresh. The main area has tabs for README.md, helloworld.py, and a preview of README.md. The helloworld.py tab is active, displaying 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("Marshal Shinde")
10 print("Roll No: BE A 25")
11 print("Batch A2")
12
13
14
```

Below the code editor is a terminal window titled "Python" showing the output of running the script:

```
n /projects/python-hello-world/helloworld.pywqkp projects]$ /usr/local/bin/python
46328
Marshal 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