

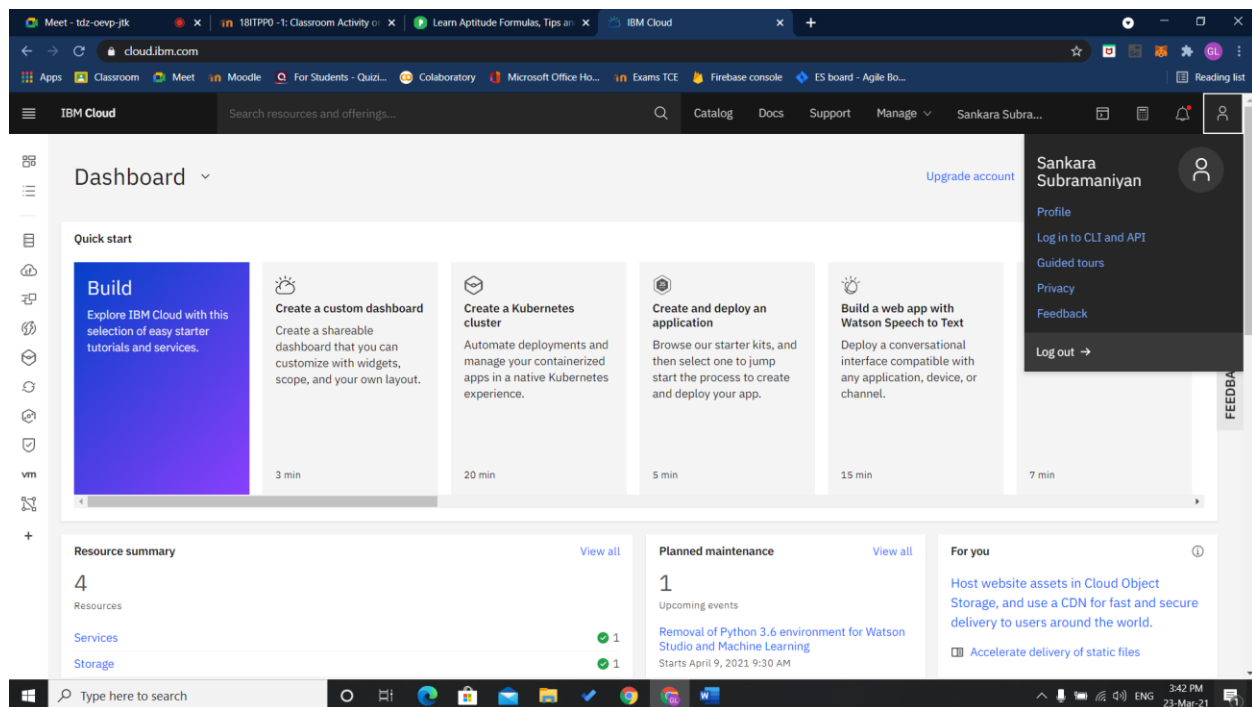
<b>Ex.No : 5</b>	<b>Cloud Foundry Application in IBM</b>
<b>12.04.2021</b>	

## Aim

To create and deploy application in IBM Cloud Foundry.

## Procedure

### 1. Login to IBM account



### 2. Navigate to cloud foundry and create a service.

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Plan	Features	Pricing
<b>Lite</b> <input checked="" type="radio"/> 64 MB <input type="radio"/> 128 MB <input type="radio"/> 256 MB	<b>Lite apps are free</b> You get up to 256 MB of memory while you work on your apps.  Lite apps sleep after 10 days of development inactivity.	Free
<b>Standard</b> 256 MB+		\$0.07 USD/GB-Hour

Configure your resource

Select a runtime

Liberty for Java™

SDK for Node.js™

ASP.NET Core

Go Community

PHP Community

Python Community

Ruby Community

Runtime for Swift

Tomcat Community

3. Our service home page is displayed

The screenshot shows the IBM Cloud console interface. The top navigation bar includes 'Catalog', 'Docs', 'Support', and 'Manage'. The main content area is titled 'sankara's webapp' and shows a 'Getting started' tutorial for PHP. The tutorial includes a warning about the deprecated IBM Cloud Foundry Enterprise Environment, a 'Getting started with PHP' section with a 'Last Updated: 2021-01-20' date, and a 'Before you begin' section listing required items like an IBM Cloud account and CLI. The left sidebar shows a 'Resource list' with options like 'Overview', 'Runtime', 'Connections', 'Logs', 'API Management', and 'Autoscaling'. The right sidebar has a 'FEEDBACK' button.

The screenshot shows the 'Overview' page for 'sankara's webapp' in the IBM Cloud console. The page displays various metrics and settings for the application. The 'Instances' section shows a health status of 100% and 1/1 instance(s) running. The 'Runtime' section shows a PHP runtime with a total MB allocation of 64 and 192 MB still available. The 'Runtime cost' section shows current and estimated costs of \$0.00. The 'Connections' section shows 0 connections. The left sidebar shows a 'Resource list' with options like 'Overview', 'Runtime', 'Connections', 'Logs', 'API Management', and 'Autoscaling'. The right sidebar has a 'FEEDBACK' button.

#### 4. Enable continuous delivery

Resource list / Cloud Foundry App /

## Continuous Delivery Toolchain

Create About

Toolchain Name  
sankarwebapp

Select Region  
London

Select a resource group  
Default

Select a CF Organization (deprecated)

Tool Integrations

- Git Repos and Issue Tracking
- Delivery Pipeline Required
- More tools

Git repos and issue tracking hosted by IBM and built on GitLab Community Edition.

Server  
London (https://eu-gb.git.cloud.ibm.com)

## 5. Create a repository for our service

Git repos and issue tracking hosted by IBM and built on GitLab Community Edition.

Server  
London (https://eu-gb.git.cloud.ibm.com)

Authorized as sankara with access granted to zero London group(s)

Repository type  
Clone

Clone the repository that is specified in the Source repository URL field.

Source repository URL  
https://cloud.ibm.com/conapi/template/phpHelloWorld/download/starter\_code?manifest=applications%3A%

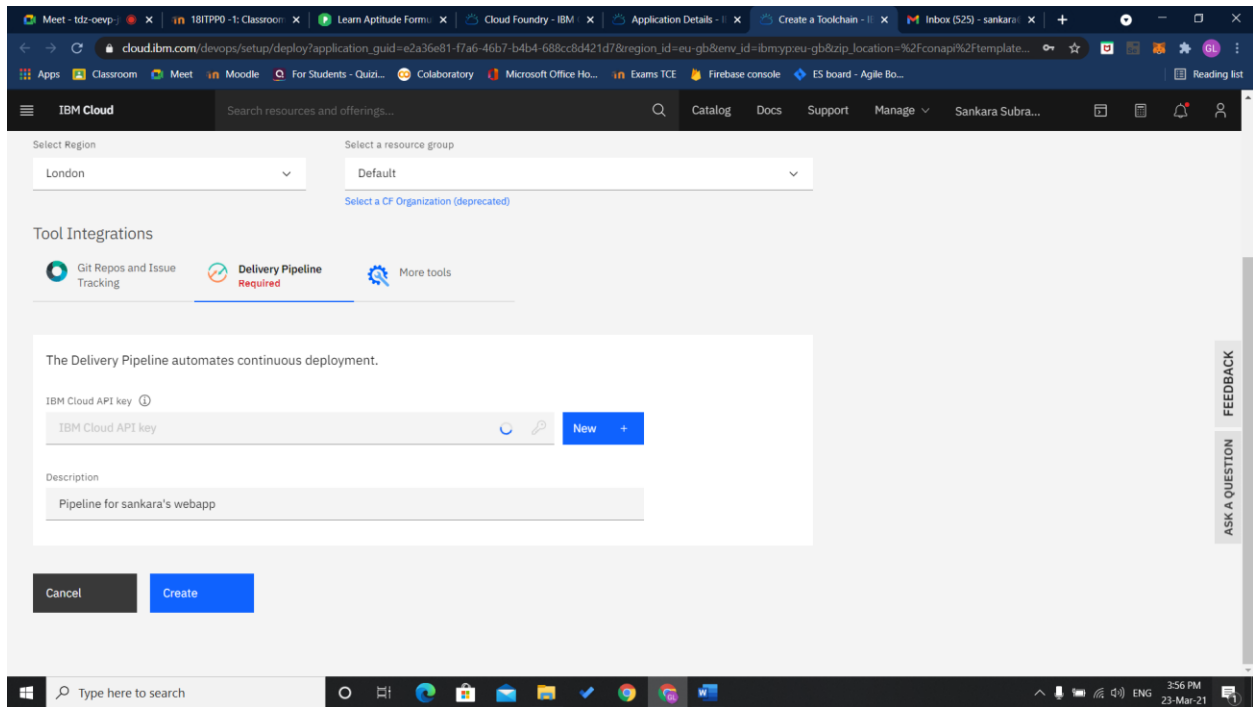
Repository Owner  
sankara

Repository Name  
sankarwebapp

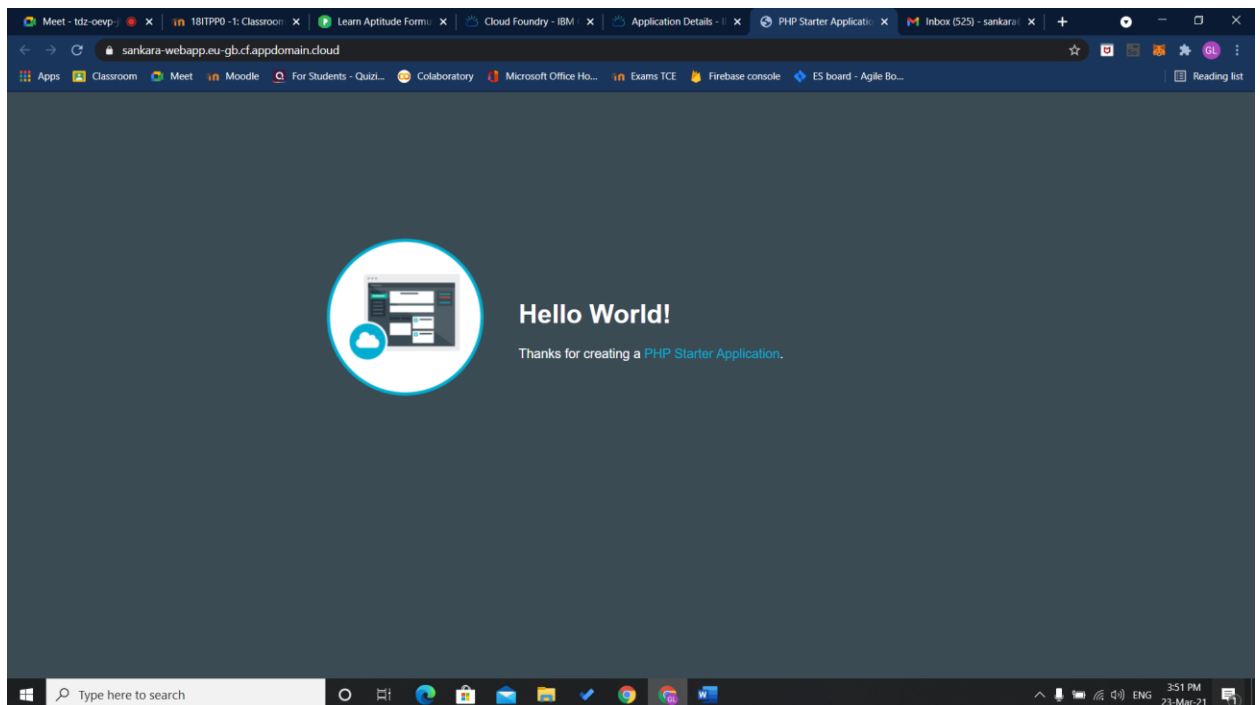
- ☒ Make this repository private
- ☒ Enable Issues
- ☒ Track deployment of code changes

Cancel Create

## 6. Create API Key

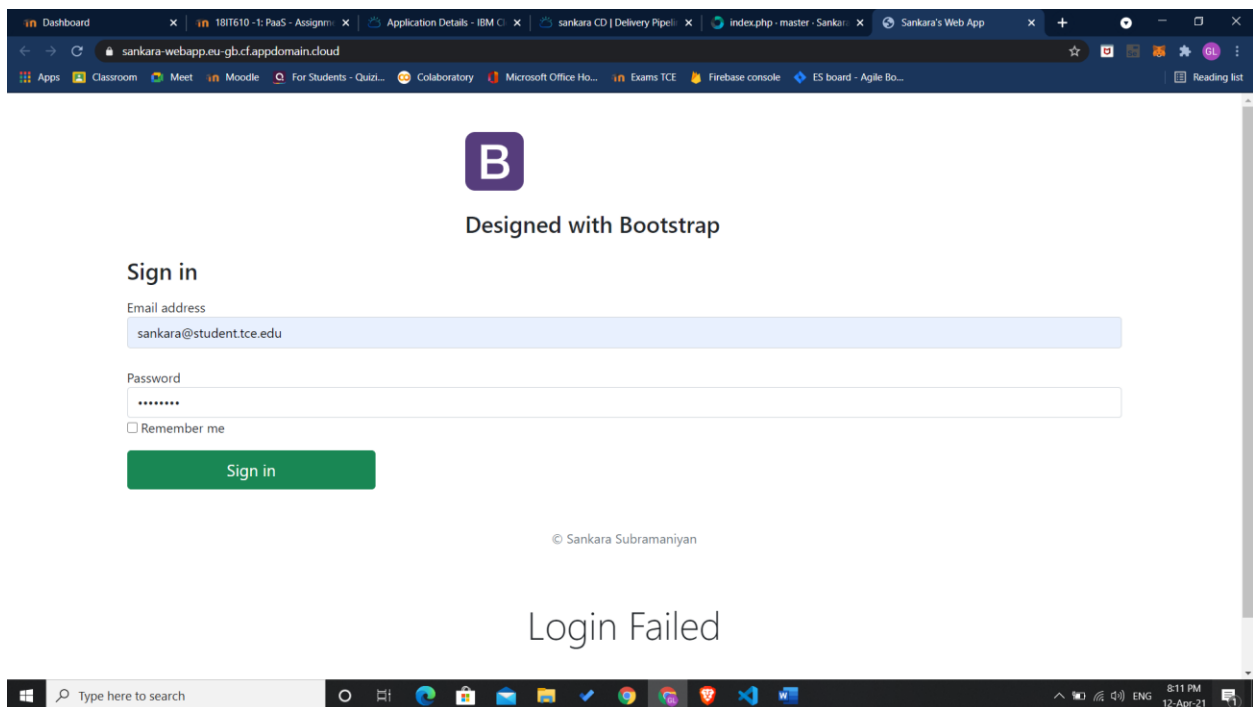
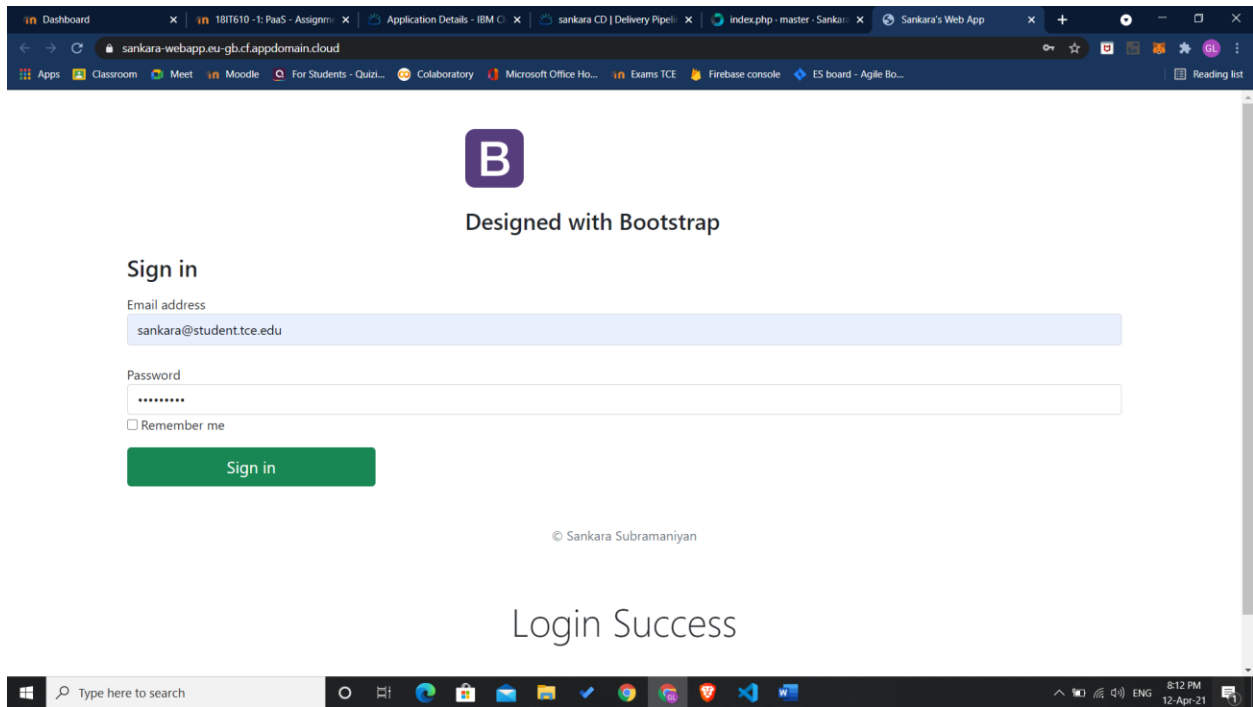


7. Visit the sample page <https://sankara-webapp.eu-gb.cf.appdomain.cloud/>



8. Commit with the file that we created.

9. Build and Deploy the stages.



When we provide correct credentials a toast message is displayed indicating the successful login.

## **Result**

Thus, a cloud service is created with PHP Runtime and deployed on cloud foundry.