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|---|---------------------|--|------------------------|
|  |                     | Hope Foundation's  |                        |
|   |                     | <b>Finolex Academy of Management and Technology, Ratnagiri</b><br><b>Information Technology Department</b> |                        |
| Subject name: Cloud Service Design Lab  |                     |  | Subject Code:ITL603    |
| Class   | TE IT               | Semester – VI<br>(CBCGS)   | Academic year: 2018-19 |
| Name of Student   | Kazi Jawwad A Rahim |  | QUIZ Score : 08/10     |
| Roll No   | 27                  | Assignment/Experiment No.  | 05                     |
| Title: To study IBM blue mix cloud  |                     |  |                        |

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|---|
| <b>1.Course objectives applicable</b><br><b>COB1.</b> To get familiar with IBM blue mix cloud<br><b>COB3.</b> To understand various factors for cloud deployment, security aspects at various levels of cloud computing environments. |
| <b>2. Course outcomes applicable:</b><br><b>CO3-</b> Use and Examine different cloud computing services<br><b>CO1</b> -To define cloud computing and memorize diff. cloud service and deployment models                               |
| <b>3. Learning Objectives:</b> <ol style="list-style-type: none"> <li>To Create an account on IBM Bluemix</li> <li>To study IBM bluemix cloud and its features</li> </ol>   |
| <b>4. Practical applications of the assignment/experiment:</b><br>Compute and Storage are the major resource groups used by cloud services  |
| <b>5. Prerequisites:</b> <ol style="list-style-type: none"> <li>Knowledge of Cloud IaaS</li> <li>Internet Access</li> <li>IBM Bluemix Account</li> </ol>  |
| <b>6. Hardware Requirements:</b> <ol style="list-style-type: none"> <li>Internet Access with Browser</li> <li>GitHub account if required</li> </ol>   |
| <b>7. Software Requirements:</b><br>Browser like Chrome, Internet Explorer Edge, VS 2017 Compiler Setup   |

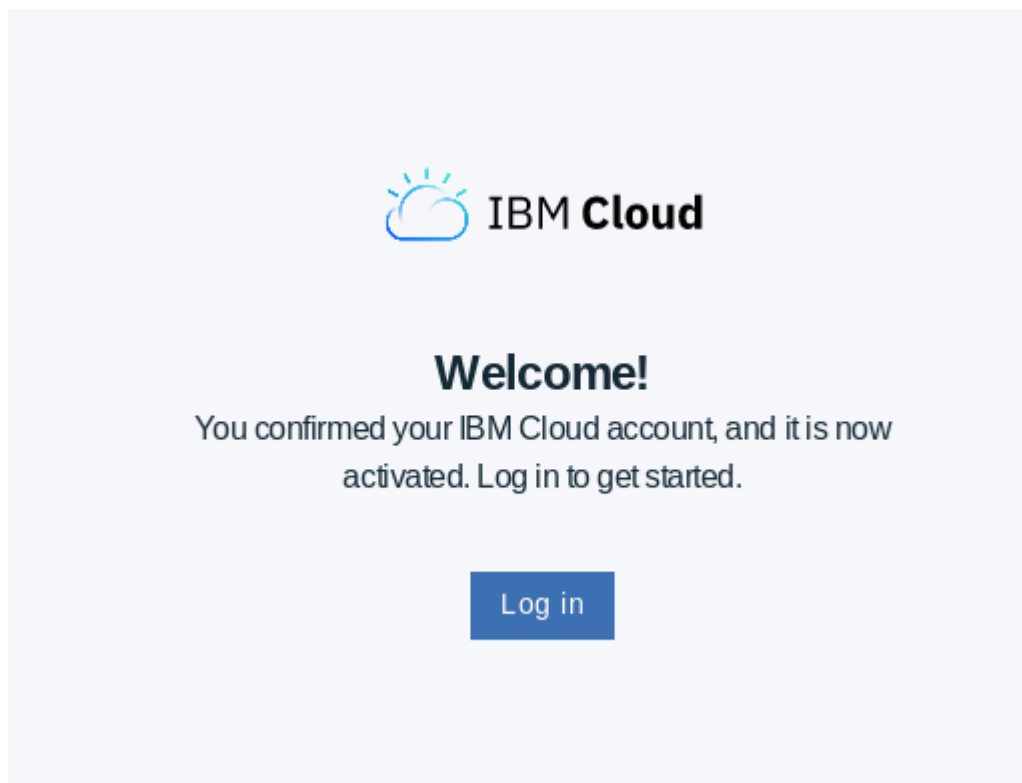
|  |
|--|
| <b>8. Quiz Questions (if any): (Online Exam will be taken separately batchwise, attach the certificate/ Marks obtained)</b> <ol style="list-style-type: none"> <li>What is IaaS ?</li> <li>What is the significance of Push command in IBM Bluemix deployment ?</li> </ol> |
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| <b>9. Experiment/Assignment Evaluation:</b> |   |                |                      |    |
|---|---|----------------|----------------------|----|
| Sr. No.                                     | Parameters  | Marks obtained | Out of               |    |
| 1   | Technical Understanding (Assessment may be done based on Q & A <u>or</u> any other relevant method.) Teacher should mention the other method used - |                | 6                    |    |
| 2   | Neatness/presentation   |                | 2                    |    |
| 3   | Punctuality   |                | 2                    |    |
| Date of performance (DOP)                   |   |                | Total marks obtained | 10 |
| Date of checking (DOC)                      |   |                | Signature of teacher |    |

## 11. Results:

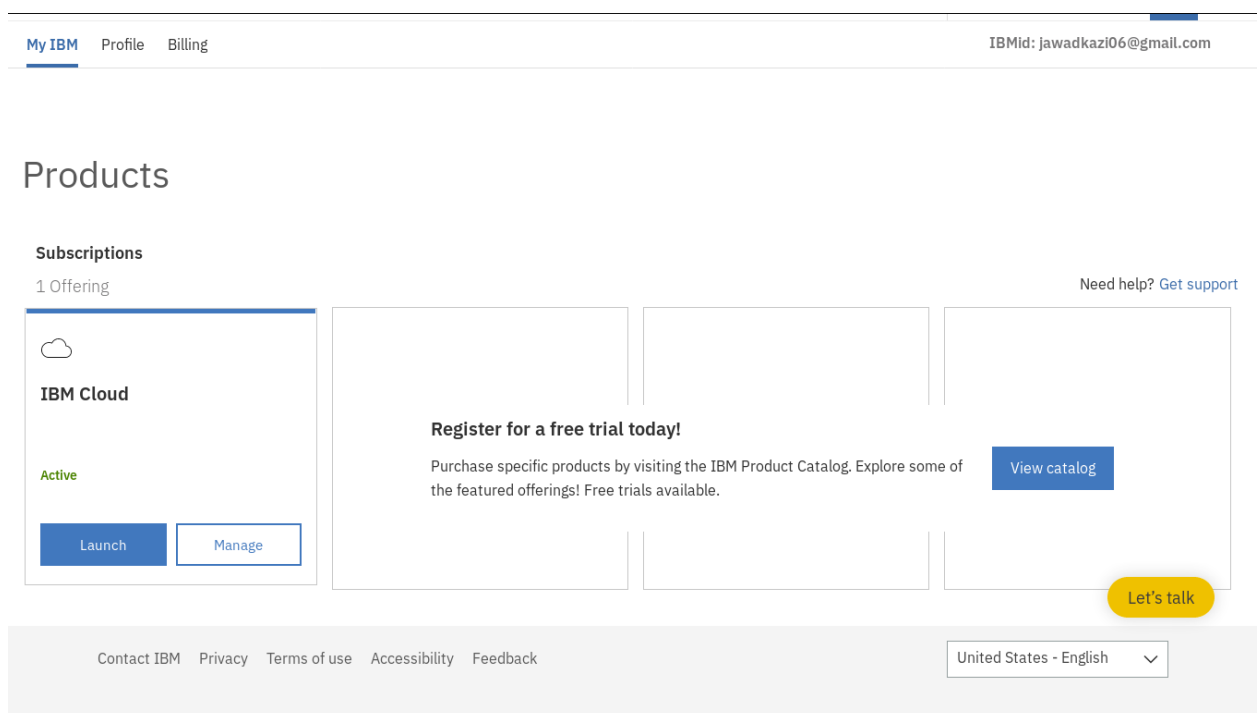
Step 1) Log on to <https://ibm.bluemix.com> and register yourself.

Step 2) Verify email



Step 3) And then login to your account

Step 4) After Login, you are in dashboard



## 1. IBM Bluemix Dashboard

The screenshot shows the IBM Cloud Foundry Overview page. The left sidebar contains a navigation menu with 'Overview' selected, and sub-items: 'Public', 'Enterprise', 'Quick Start', 'Environments', 'Applications', and 'Services'. The main content area has a heading 'Deploy and run your applications without managing servers or clusters with IBM Cloud Foundry'. Below this, it states: 'Cloud Foundry automatically transforms source code into containers, scales them on demand, and manages user access and capacity.' A large graphic titled 'Cloud Foundry in the IBM Cloud' shows a stylized 'P' logo. Below the graphic are two cards: 'Public Applications' with a 'Create' button and a description 'Work with the multi-tenant Cloud Foundry environment publicly available in the IBM Cloud.', and 'Enterprise Environment' with a 'Create' button and a description 'Create your own isolated IBM Cloud Foundry Enterprise Environment on-demand, with one click and within an hour.' Both cards have a 'Manage' link.

## 2. Deployment of Web application and its stats

The screenshot shows the IBM Cloud Foundry Application Details page for an application named 'FAMTBEITCC'. The left sidebar contains a navigation menu with 'Overview' selected, and sub-items: 'Runtime', 'Connections', 'Logs', 'Monitoring', and 'API Management'. The main content area shows the application status as 'Stopped' with a 'Visit App URL' link. Below this, it displays 'Org: vinayak.bharadi@famt.ac.in', 'Location: United Kingdom', and 'Space: dev'. A 'Runtime' section contains four circular gauges: 'BUILDPACK' (noruntime), 'INSTANCES' (1, Stopped: 1 | Running: 0, Health is 0%), 'MB MEMORY PER INSTANCE' (64), and 'TOTAL MB ALLOCATION' (64, 256 MB still available). A 'Routes' dropdown menu is visible in the top right corner.