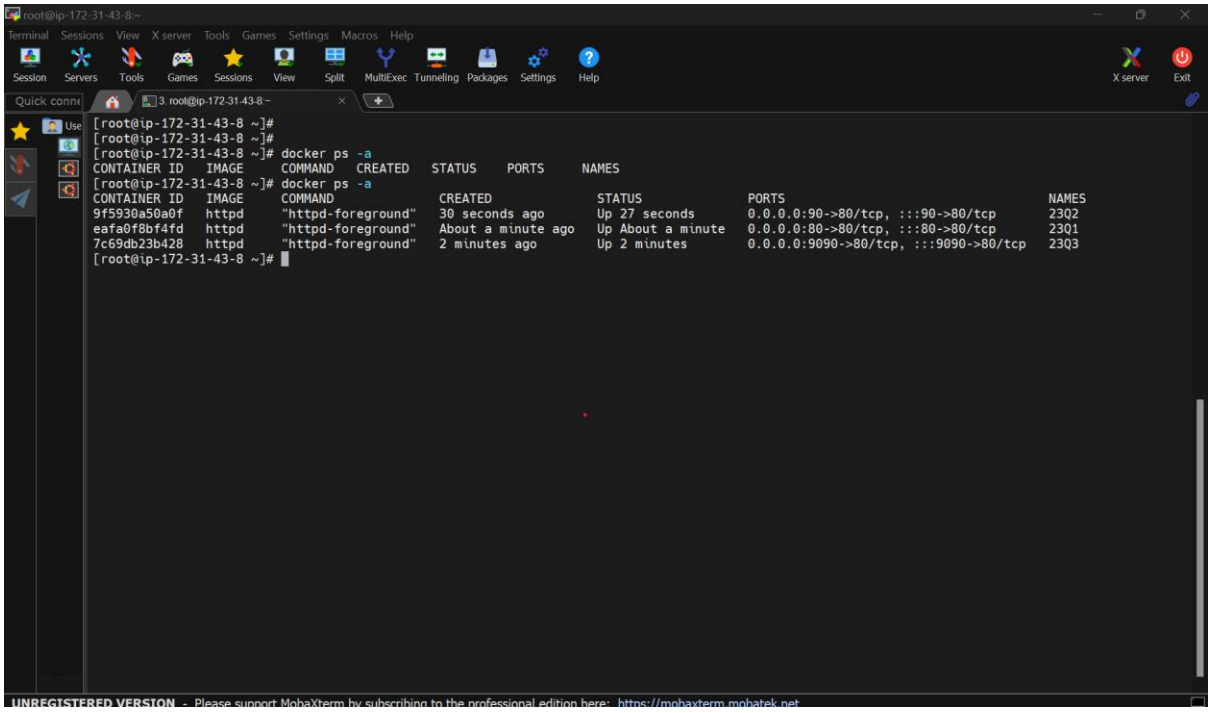
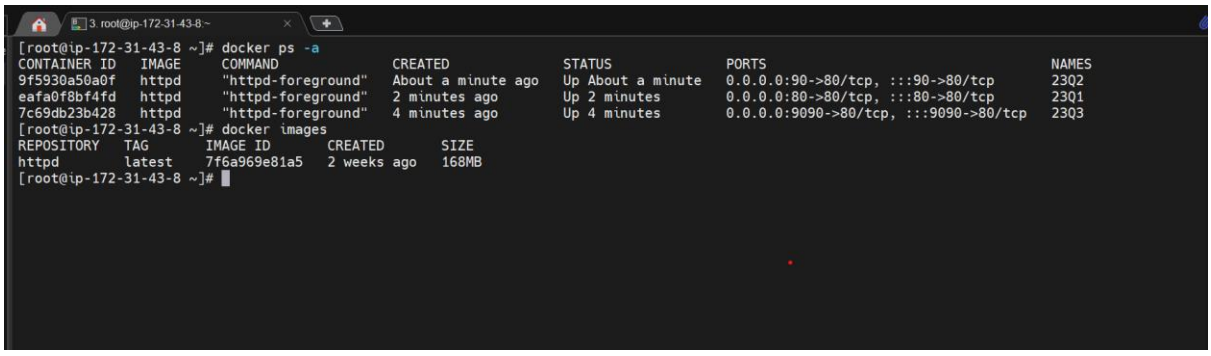
Docker Assignment 1:

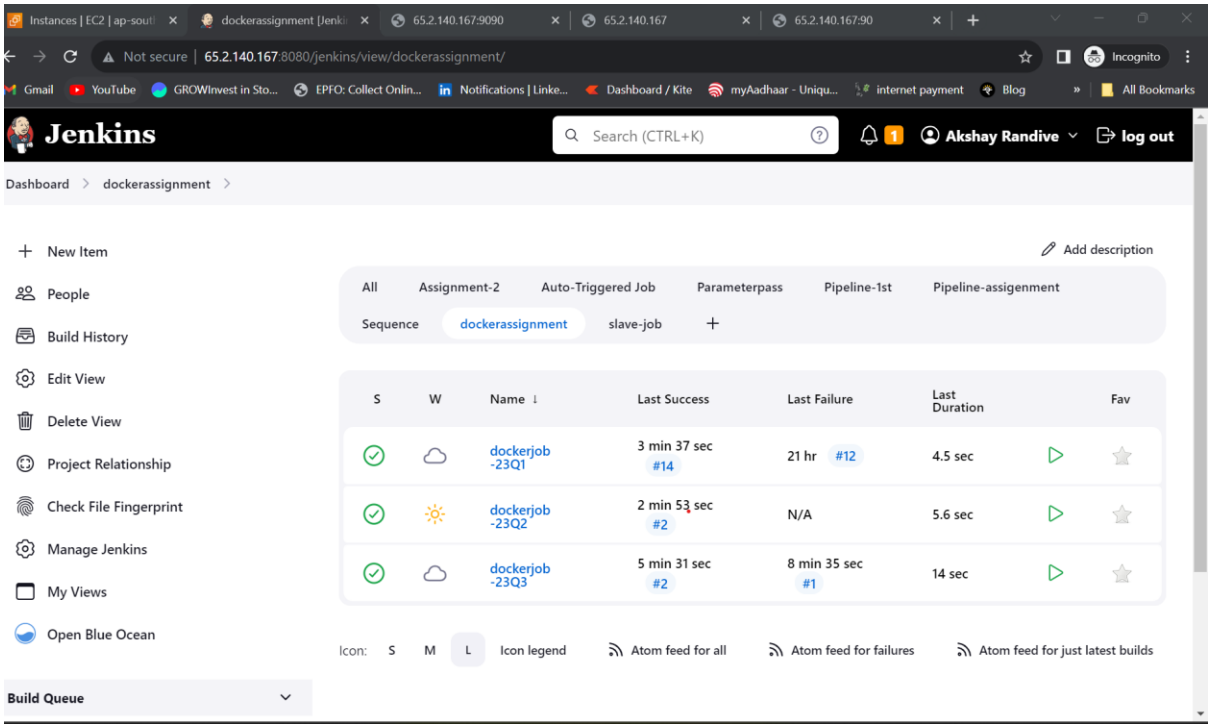
Docker container:



Docker images:

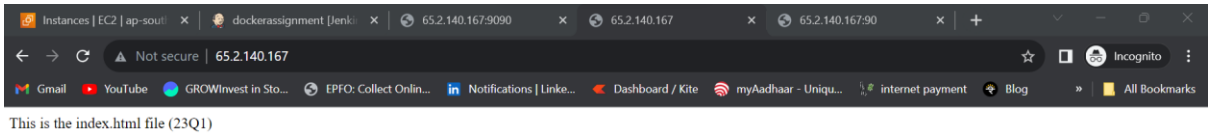


Jenkins Job dashboard:

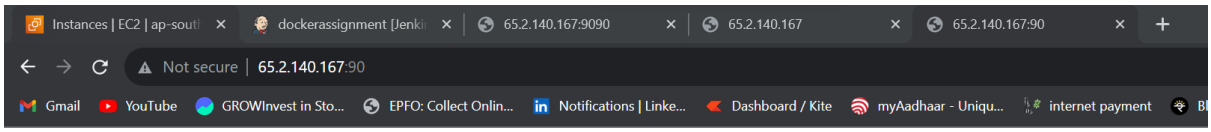


Output with Jenkins job:

23Q1 with 80 port

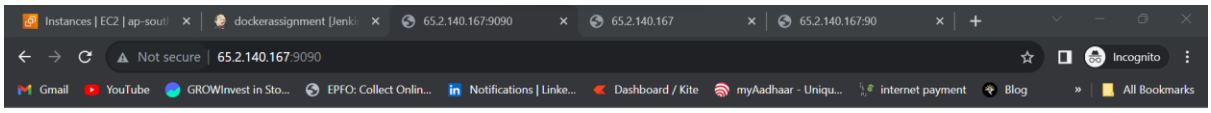


23Q2 with 90 port



This is the index.html file (23Q2)

23Q3 with 9090 port



This is the index.html file (23Q3)

Script for job:

23Q1

```
pipeline{
   agent {
       label {
         label "built-in"
         customWorkspace "/mnt/CloneProject"

       }
     }

      stages
      {
         stage("1st-clone project")
          {
            steps {
                 sh "rm -rf * "
                 sh "git clone https://github.com/Akirandive/myLatestAPP.git -b 23Q1"
                 echo "clone completed...."
                 sh "chmod -R 777 /mnt/CloneProject/"


            }

          }

          stage("2nd -container creation and file deployment  ")
          {
            steps {

                 sh "docker run --name 23Q1 -dp 80:80 httpd"
```

```
                sh " docker cp /mnt/CloneProject/myLatestAPP/index.html
23Q1:/usr/local/apache2/htdocs"


            }


          }


      }


 }
```

23Q2:

```
pipeline{
   agent {
       label {
          label "built-in"
          customWorkspace "/mnt/CloneProject"


       }
    }


     stages
     {
        stage("1st-clone project")
         {
           steps {
                sh "rm -rf * "
                sh "git clone https://github.com/Akirandive/myLatestAPP.git -b 23Q2"
                echo "clone completed...."
                sh "chmod -R 777 /mnt/CloneProject/"
```

```
            }


          }

          stage("2nd -container creation and file deployment  ")
          {
            steps {


                // sh "docker stop 23Q1"
                 //sh  "docker system prune -a -f "
                 sh "docker run --name 23Q2 -dp 90:80 httpd"
                 sh " docker cp /mnt/CloneProject/myLatestAPP/index.html
23Q2:/usr/local/apache2/htdocs"


            }


          }
      }


 }
```

23Q3:

```
pipeline{
   agent {
        label {
          label "built-in"
          customWorkspace "/mnt/CloneProject"
```

```
    }
  }

  stages
  {
    stage("1st-clone project")
     {
      steps {
          sh "rm -rf * "
          sh "git clone https://github.com/Akirandive/myLatestAPP.git -b 23Q3"
          echo "clone completed...."
          sh "chmod -R 777 /mnt/CloneProject/"


      }

    }

    stage("2nd -container creation and file deployment  ")
    {
      steps {

         // sh "docker stop 23Q1"
          //sh  "docker system prune -a -f "
          sh "docker run --name 23Q3 -dp 9090:80 httpd"
          sh " docker cp /mnt/CloneProject/myLatestAPP/index.html
23Q3:/usr/local/apache2/htdocs"
      }
    }

  } }
```