Assignment -4

Assignment Date	19 September 2022
Student Name	Jaya Karthik Kumar R D
Student Roll Number	711119104032
Maximum Marks	2 Marks

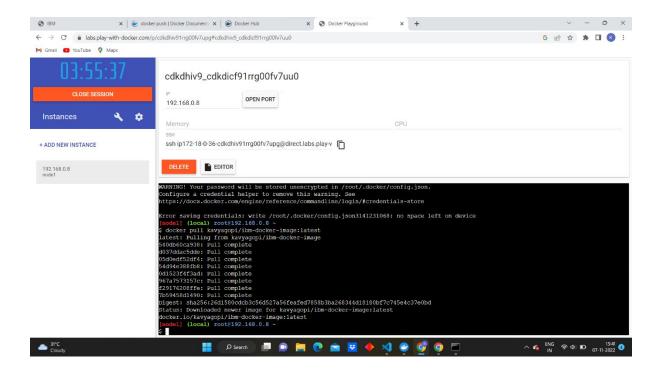
Question-1:

Pull an Image from docker hub and run it in docker playground.

Solution:

Used Docker

Output:



Question-2:

Create a docker file for the jobportal application and deploy it in Docker desktop application.

Solution:

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta http-equiv="X-UA-Compatible" content="IE=edge">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Document</title>
</head>
<body>
 <nav class="navbar navbar-dark bg-dark">
    <div class="container-fluid">
     <div class="navbar-nav">
      <h1 align ="center">Job portal</h1>
     </div>
   </div>
 </nav>
 <form>
 <div align="center">
    UserName
    <input type="text" name="UserName" placeholder="UserName"</p>
    Password
    <input type="text" name="Password" placeholder="password"</p>
    <button type="button" class="btn btn-outline-success" >Success</button><br>
    Don't have an account?<br><a href="/signup">Click Here</a>
 </div>
</form>
</body>
</html>
```

Output:



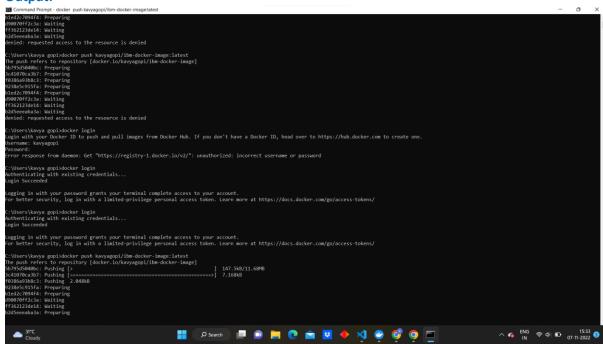
Question-3:

Create a IBM container registry and deploy helloworld app or jobportalapp.

Solution:

Used Docker

Output:



Question-4:

Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.

Solution:

Used IBM Kubernetes cluster

Output:

