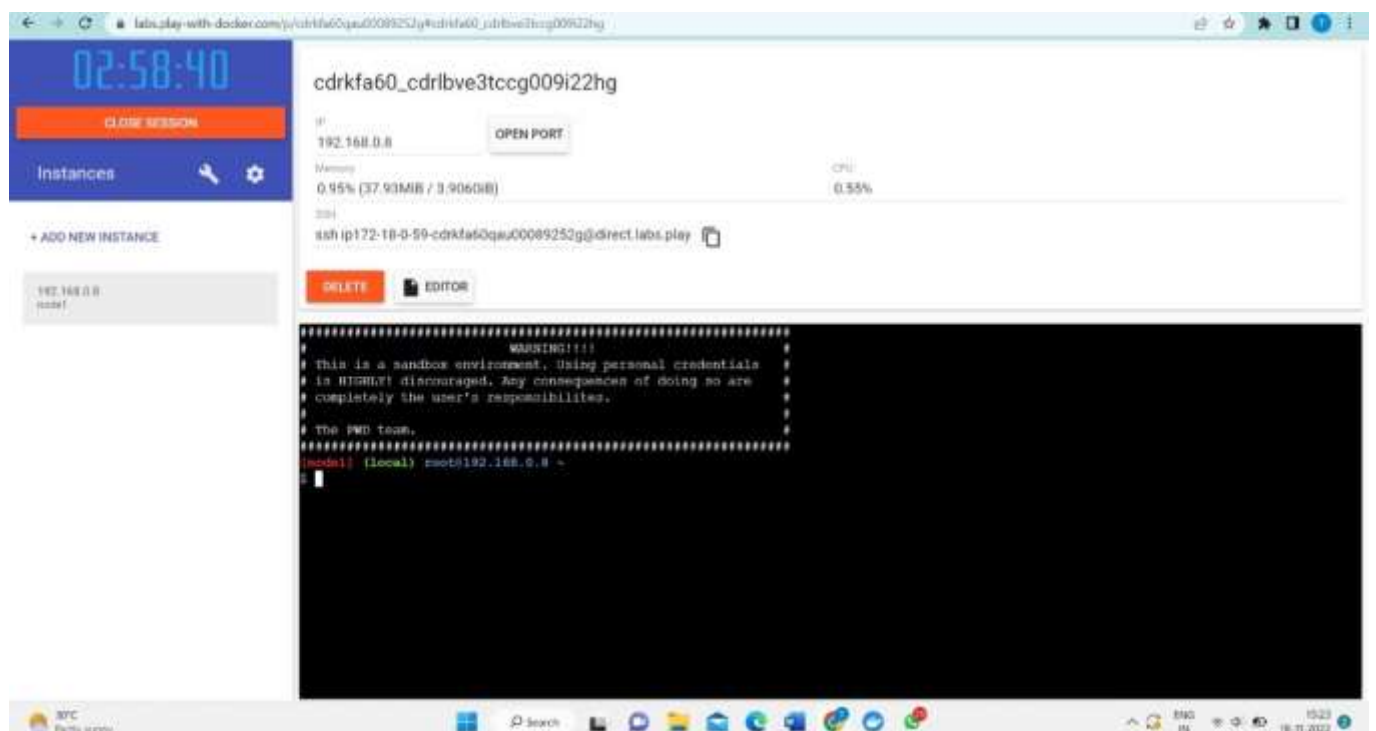
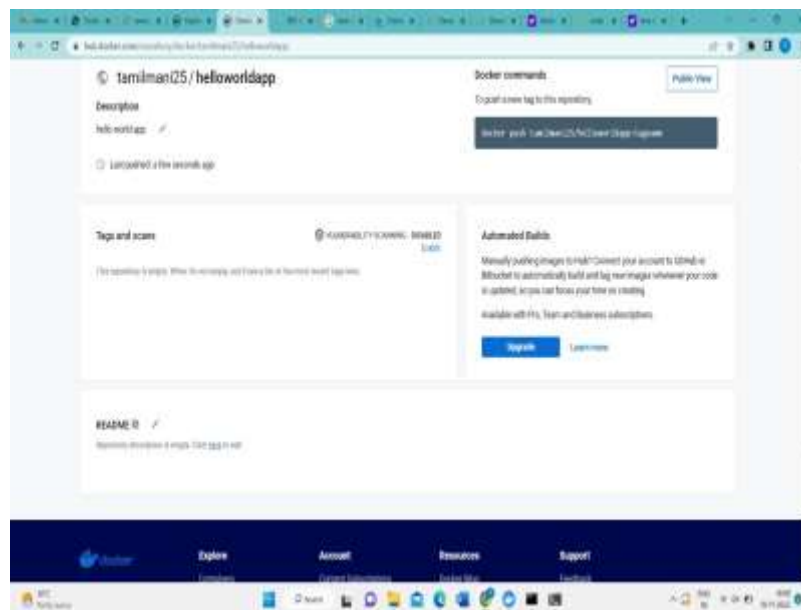


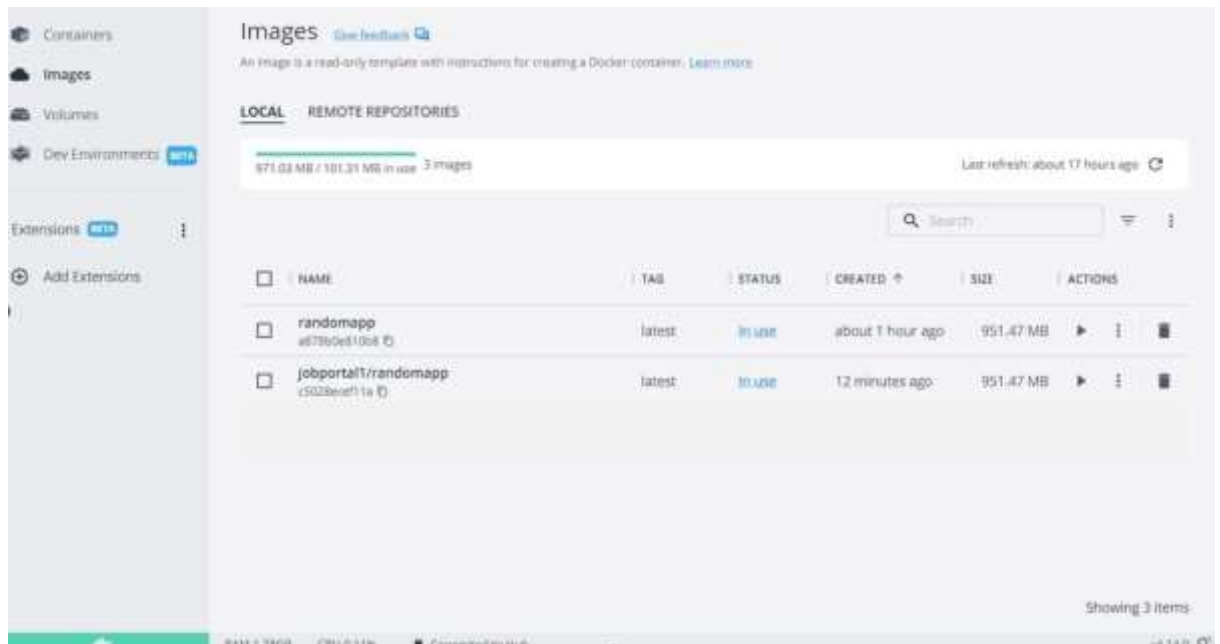
## ASSIGNMENT-04

Date	21 November 2022
Student Name	R.Tamilmani
Roll Number	821319104034
Maximum Marks	2 Marks

1. Pull an image from docker hub and run it in docker playground.



2. Create a docker file for the job portal application and deploy it in docker desktop application.



app.py

```
from flask import Flask, render_template
app = Flask(__name__)

@app.route('/')
def home():
    return render_template('index.html')
if __name__ == '__main__':
    app.run()
```

Docker file

```
FROM python
WORKDIR /app
COPY . .
RUN pip install -r requirements.txt
CMD ["python", "app.py"]
```

## Index.html

```
<html>

<body>
  <div class="col-md-6 offset-md-3 mt-5">

    <br>
    <a target="_blank" href="https://getform.io?ref=codepenHTML" class="mt-3 d-flex">Getform.io | Get your free endpoint now</a>
    <h1>Job Portal</h1>
    <form accept-charset="UTF-8" action="https://getform.io/f/{your-form-endpoint-goes-here}" method="POST" enctype="multipart/form-data" target="_blank">
      <div class="form-group">
        <label for="exampleInputName">Full Name</label>
        <input type="text" name="fullname" class="form-control" id="exampleInputName" placeholder="Enter your name and surname" required="required">
      </div>
      <div class="form-group">
        <label for="exampleInputEmail1" required="required">Email address</label>
        <input type="email" name="email" class="form-control" id="exampleInputEmail1" aria-describedby="emailHelp" placeholder="Enter your email address">
      </div>
      <div class="form-group">
        <label for="inputAddress">Address</label>
        <input type="text" name="address" class="form-control" id="inputAddress" placeholder="1234 Main St">
      </div>
      <div class="form-row">
        <div class="form-group col-md-6">
          <label for="inputCity">City</label>
          <input type="text" name="city" class="form-control" id="inputCity" placeholder="Istanbul">
        </div>
        <div class="form-group col-md-2">
          <label for="inputZip">Zip</label>
          <input type="text" name="zip" class="form-control" id="inputZip" placeholder="34000">
        </div>
      </div>
      <div class="form-group">
        <label for="example-tel-input" class="col-2 col-form-label">Telephone</label>
        <div class="col-10">
```

```

        <input class="form-control" name="tel" type="tel" value="1-(555)-
555-5555" id="example-tel-input">
    </div>
</div>
<div class="form-group">
    <label for="example-date-input" class="col-3 col-form-label">Start
Date</label>
    <div class="col-10">
        <input class="form-control" name="starting_date" type="date"
value="2020-02-01" id="example-date-input">
    </div>
</div>
<div class="form-group mt-3">
    <label class="mr-4">Upload your CV:</label>
    <input type="file" name="file">
</div>
    <button type="submit" class="btn btn-primary">Submit</button>
</form>
</div>
</body>

</html>

```

### 3. Create a IBM Container Registry and deploy hello world app or job portal app

**Images**
URL: us.icr.io
Create image

An image is the basis for creating a deployed container.

<input type="checkbox"/>	Repository	Tags	Digest	Created	Size	Security Status
<input type="checkbox"/>	/showcase-dev-iks/template-graphql-typescript	1.0.0-5, 1.0.0	6b3575c122e9	6 hours ago	303 MB	<span>5 issues</span> <span>...</span>
<input type="checkbox"/>	/showcase-dev-iks/template-java-spring	1.0.0, 1.0.0-14	24f3cdf69605	7 hours ago	213 MB	<span>No Issues</span> <span>...</span>

4. Create a Kubernetes cluster in IBM Cloud and deploy hello world image or job portal app and expose the same app to run in nodeport.

