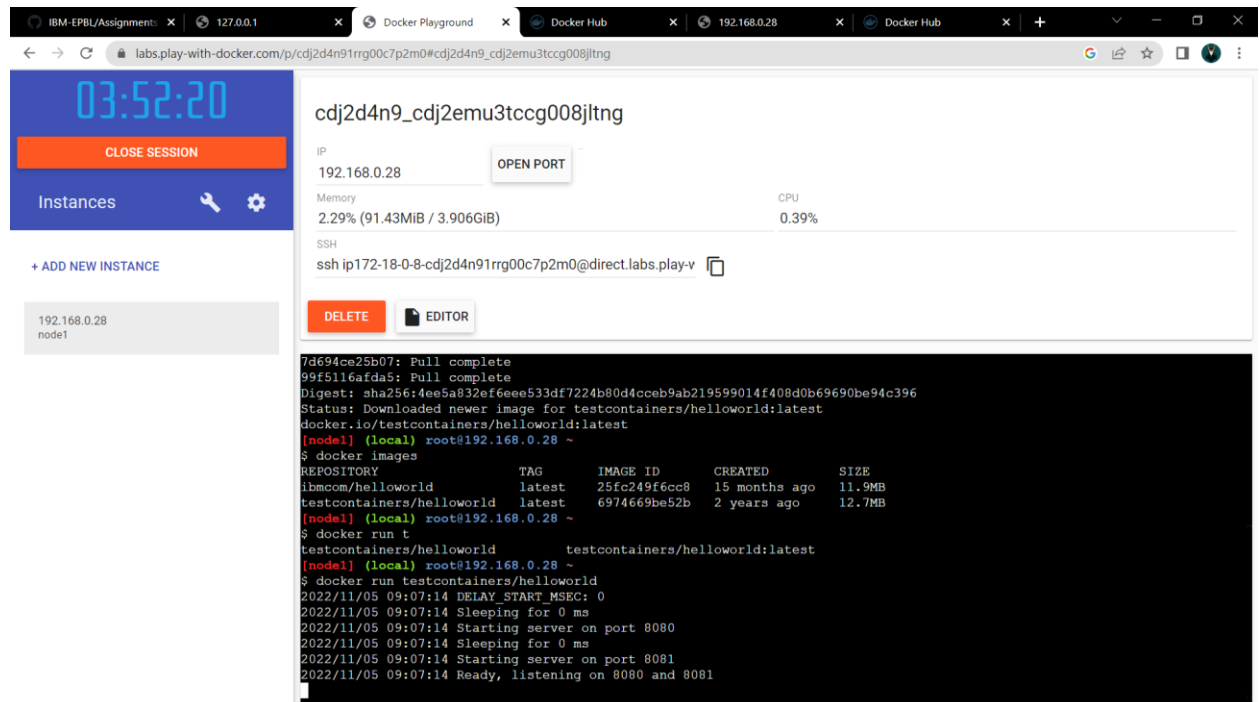


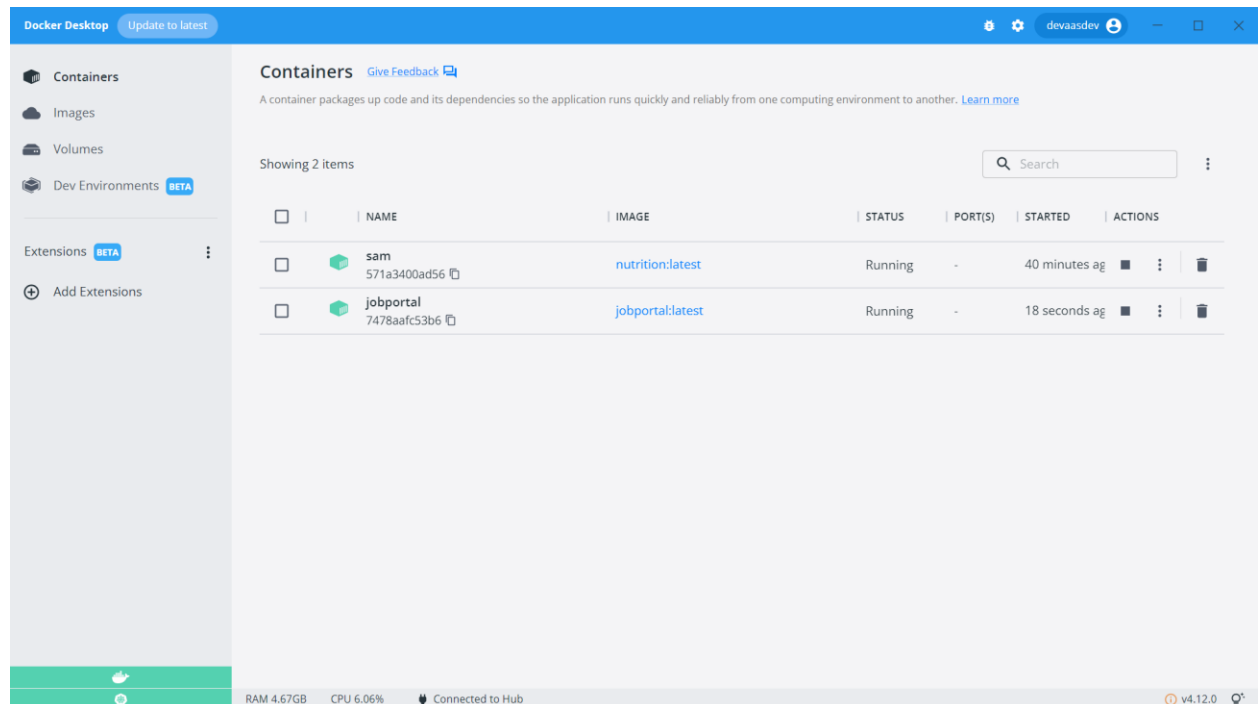
1.Pull an image from docker hub and run it in docker playground.



The screenshot shows the Docker Playground interface in a web browser. The top bar includes tabs for 'IBM-EPBL/Assignment', '127.0.0.1', 'Docker Playground', 'Docker Hub', and '192.168.0.28'. The main interface has a left sidebar with a clock showing '03:52:20', a 'CLOSE SESSION' button, an 'Instances' section with a wrench and gear icon, and a '+ ADD NEW INSTANCE' button. Below this is a list of instances, showing '192.168.0.28 node1'. The main area displays details for the instance 'cdj2d4n9\_cdj2emu3tccg008jltng', including its IP (192.168.0.28), memory usage (2.29% / 91.43MiB / 3.90GiB), CPU usage (0.39%), and an SSH command: 'ssh ip172-18-0-8-cdj2d4n91rrg00c7p2m0@direct.labs.play-v'. There are 'DELETE' and 'EDITOR' buttons. A terminal window at the bottom shows the following commands and output:

```
7d694ce25b07: Pull complete
99f5116afda5: Pull complete
Digest: sha256:4ee5a832ef6eee533df7224b80d4cce9ab219599014f408d0b69690be94c396
Status: Downloaded newer image for testcontainers/helloworld:latest
docker.io/testcontainers/helloworld:latest
(node1) (local) root@192.168.0.28 ~
$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
limcom/helloworld   latest             25fc249f6ec8       15 months ago      11.9MB
testcontainers/helloworld latest             6974669be52b       2 years ago        12.7MB
(node1) (local) root@192.168.0.28 ~
$ docker run t
testcontainers/helloworld testcontainers/helloworld:latest
(node1) (local) root@192.168.0.28 ~
$ docker run testcontainers/helloworld
2022/11/05 09:07:14 DELAY_START MSEC: 0
2022/11/05 09:07:14 Sleeping for 0 ms
2022/11/05 09:07:14 Starting server on port 8080
2022/11/05 09:07:14 Sleeping for 0 ms
2022/11/05 09:07:14 Starting server on port 8081
2022/11/05 09:07:14 Ready, listening on 8080 and 8081
```

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



The screenshot shows the Docker Desktop interface. The top bar includes 'Docker Desktop', 'Update to latest', and a user profile 'devaasdev'. The left sidebar has a 'Containers' section with a sub-section 'Dev Environments' marked 'BETA'. The main area is titled 'Containers' and shows a list of running containers. The status bar at the bottom indicates 'RAM 4.67GB', 'CPU 6.06%', and 'Connected to Hub'.

NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
sam 571a3400ad56	nutrition:latest	Running	-	40 minutes ag	Stop, Restart, Delete
jobportal 7478aafc53b6	jobportal:latest	Running	-	18 seconds ag	Stop, Restart, Delete

3.create a IBM container registry and deploy helloworld app or jobportalapp.

The screenshot displays the IBM Cloud Container Registry interface. The left sidebar contains navigation links: 'Container Registry', 'Quick start', 'Namespaces' (1), 'Repositories' (1), 'Images' (1), 'Trash' (0), and 'Settings'. The main content area is titled 'Images' and shows a list of images. The table has columns: 'Repository@digest', 'Tags', 'Manifest type', 'Created', 'Size', and 'Security status'. One image is listed: 'nutrition/test@sha256:f54a58bc1aac...' with a 'latest' tag, 'Docker' manifest type, '408 days ago' created time, '2 KB' size, and 'Unsupported OS' security status. The bottom of the page shows a file explorer with 'Untitled\_2022-11-...pdf' and a 'Show all' button.

Repository@digest	Tags	Manifest type	Created	Size	Security status
nutrition/test@sha256:f54a58bc1aac...	latest	Docker	408 days ago	2 KB	Unsupported OS