

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

The screenshot displays the 'UI For Docker' web application interface. The browser's address bar shows the URL 'ip172-18-0-4-cd9an2u3tccg00fgf6k0-9000.direct.labs.play-with-docker.com/#/'. The interface includes a navigation bar with tabs: Dashboard, Containers, Containers Network, Images, Networks, Volumes, and Info. A 'Refresh' button is located on the right. The main content area features a large header with the text 'UI For Docker' and 'The UI for Docker container engine', followed by a 'Learn more.' button. Below this, the 'Running Containers' section lists a single container named 'beautiful_goldwasser' with a status of 'Up About a minute'. To the right, a 'Status' section shows a green donut chart representing the container's state, with a legend indicating 'Running' (green), 'Stopped' (red), and 'Ghost' (grey). At the bottom, there are two empty line graphs labeled 'Containers created' and 'Images created', both showing a count of 1 on the y-axis and the date '21/10/2022' on the x-axis.

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

```
C:\Windows\System32\cmd.exe
-> [Internal] load build definition from Dockerfile
-> => transferring dockerfile: 32B
-> [Internal] load .dockerignore
-> => transferring context: 2B
-> [Internal] load metadata for docker.io/library/python:3.6
-> [auth] library/python:pull token for registry-1.docker.io
-> [Internal] load build context
-> => transferring context: 687B
-> [1/6] FROM docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc
-> resolve docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc
-> sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc 1.86kB / 1.86kB
-> sha256:d097a4907a8ec079df5ac31872359c2de510f82214c0448e926393b376d3b60d 2.22kB / 2.22kB
-> sha256:54260638d07c5e3ad24c6e21fc889abbc8486a27634c0892086ff71f3f44b104 9.27kB / 9.27kB
-> sha256:0e29546541cd03092d1d21473a9d1db78665c1b95b74f32b009e0b77a6e1e3 54.92MB / 54.92MB
-> sha256:00820c73b52b92b97d5c07a54fb0f9e21995a296c714b59a32ae67d19231fcd 5.15MB / 5.15MB
-> sha256:cb5b7ae361722f070eca53f35823ad21baa85d61d5d95cd5a95ab53d74ecd56 10.87MB / 10.87MB
-> sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793 54.57MB / 54.57MB
-> sha256:6f9f74896dfa93fe0172f594faba85e0b4e8a0481a0fef09112efc7e4d3c78f7 196.51MB / 196.51MB
-> sha256:5e3b1213efc56598e78bd002983945c164de2a37205e06a62dada823124dc743 6.29MB / 6.29MB
-> extracting sha256:0e29546d541cd03092d1d21473a9d1db78665c1b95b74f32b009e0b77a6e1e3
-> sha256:9fdddfdc56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752 14.21MB / 14.21MB
-> extracting sha256:9b829c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 2.35
-> extracting sha256:cb5b7ae361722f070eca53f35823ad21baa85d61d5d95cd5a95ab53d74ecd56 4.04
-> sha256:404f02044bac0432ca522cbb9f254b1c91fcea6806bfee0be0b243b2f31bab7 235B / 235B
-> sha256:c4f42be2be53b900ebffcc040c1df13de538434ccc5f5d954a56848a6169a3a3f 2.21MB / 2.21MB
-> extracting sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793 27.33
-> extracting sha256:6f9f74896dfa93fe0172f594faba85e0b4e8a0481a0fef09112efc7e4d3c78f7 131.45
-> extracting sha256:5e3b1213efc56598e78bd002983945c164de2a37205e06a62dada823124dc743 8.25
-> extracting sha256:9fdddfdc56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752 11.35
-> extracting sha256:404f02044bac0432ca522cbb9f254b1c91fcea6806bfee0be0b243b2f31bab7 0.05
-> extracting sha256:c4f42be2be53b900ebffcc040c1df13de538434ccc5f5d954a56848a6169a3a3f 2.85
-> [2/6] WORKDIR /app
-> [3/6] ADD . /app
-> [4/6] COPY requirements.txt /app
-> [5/6] RUN python3 -m pip install -r requirements.txt
-> [6/6] RUN python3 -m pip install ibm_db
-> exporting to image
-> exporting layers
-> writing image sha256:1756719486df002fad54ae385c5221513f2ff2d1b49a8d242b22a28af0379f19
-> naming to docker.io/library/job-portal-main
-> 0.15s
```

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

C:\Users\VK\Desktop\job-portal-main>

NAME	TAG	IMAGE ID	CREATED	SIZE
job-portal-main	latest	1756719486df	less than a minute ago	1.08 GB

RAM 2.53GB CPU 1.56% Connected to Hub v4.13.0