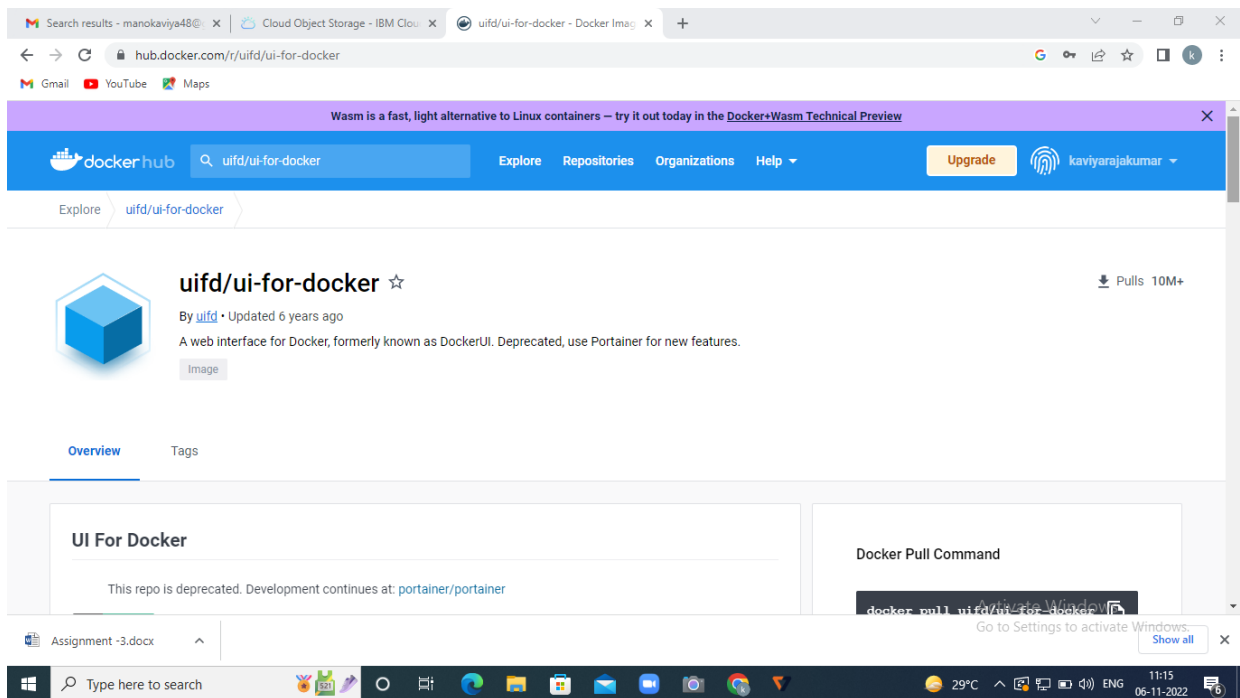


Assignment -4

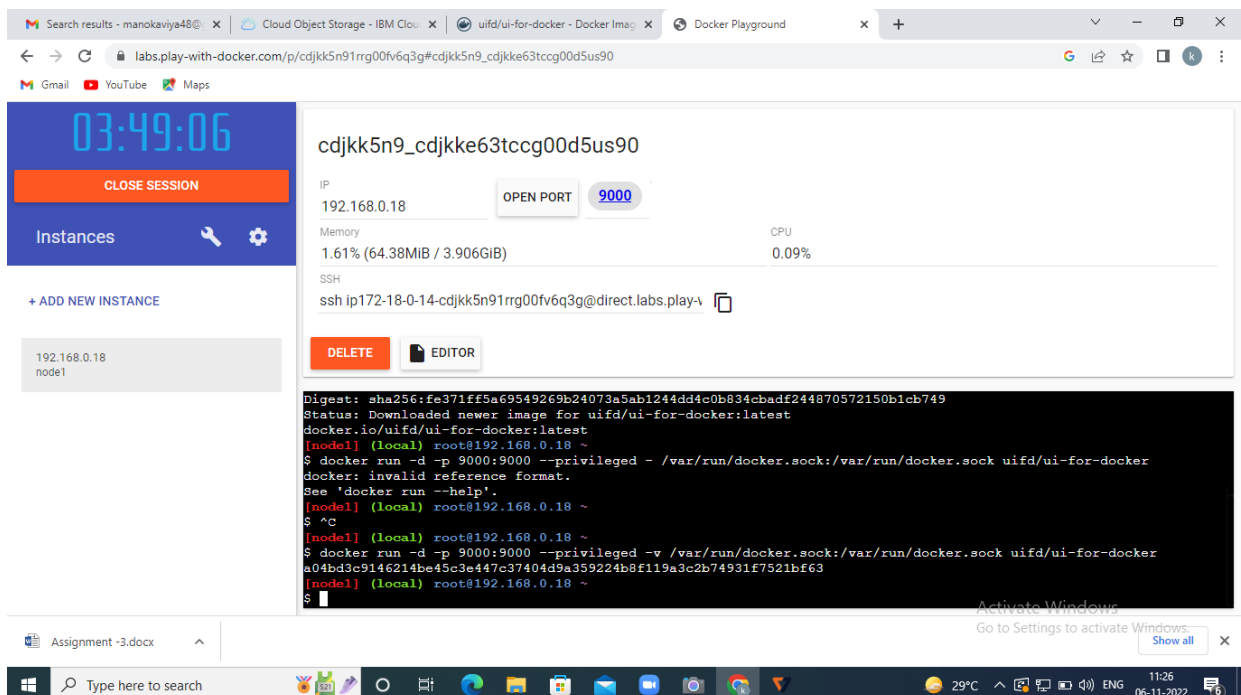
Docker and Kubernetes

Assignment Date	6 November 2022
Student Name	KAVIYA R
Student Roll Number	951919CS041
Maximum Marks	2 Marks

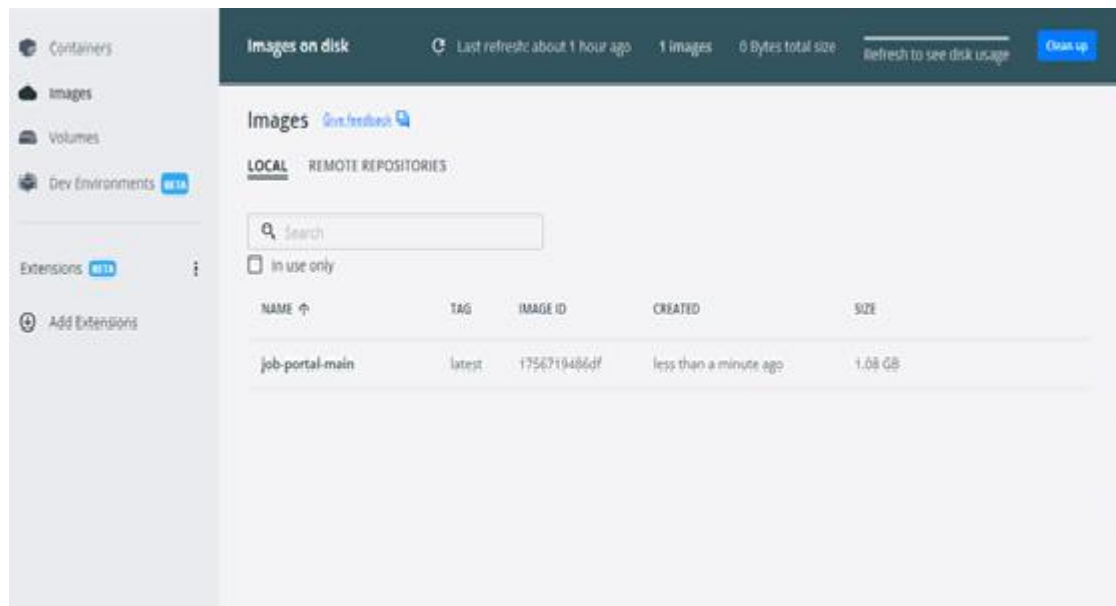
1. Pull an image from docker hub and run it in docker Playground



The screenshot shows the Docker Hub page for the repository `uifd/ui-for-docker`. The page header includes the Docker Hub logo, a search bar with the text `uifd/ui-for-docker`, and navigation links for Explore, Repositories, Organizations, and Help. A purple banner at the top promotes Wasm as a fast, light alternative to Linux containers. The repository page shows a blue cube icon, the name `uifd/ui-for-docker` with a star, and a note that it is deprecated, with development continuing at `portainer/portainer`. The Docker Pull Command is displayed as `docker pull uifd/ui-for-docker:latest`. The page also shows a download count of 10M+ pulls.



The screenshot shows the Docker Playground interface. On the left, there is a sidebar with a timer showing 03:49:06, a 'CLOSE SESSION' button, and a list of instances. The main area displays the details of a specific instance named `cdjkk5n9_cdjkke63tccg00d5us90`. The instance details include the IP address `192.168.0.18`, an 'OPEN PORT' button set to `9000`, and resource usage statistics: Memory at 1.61% (64.38MiB / 3.906GiB) and CPU at 0.09%. The SSH command is `ssh ip172-18-0-14-cdjkk5n91rrg00fv6q3g@direct.labs.play-i`. Below the instance details, there is a terminal window showing the output of the `docker run` command. The terminal output indicates that the image `uifd/ui-for-docker:latest` was downloaded and then the container was run with the command `docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker`. The terminal also shows the command `docker run --help` and the command `docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker` being executed. The terminal output shows the container ID `a04bd3c9146214be45c3e447c37404d9a359224b8f119a3c2b74931f7521bf63` and the container name `node1`.



3. Create a IBM container registry and deploy helloworld app

