1.

```
Last login: Fri Apr 15 16:50:50 2022 from 10.138.221.64
[mahajan@euler-login-2]-% ls
hello_output-173121.txt hello_output-173125.txt hello_output-173126.txt hello_slurm.sh
[mahajan@euler-login-2]-% wim hello_slurm.sh
Submitted batch job 173373
[mahajan@euler-login-2]-% cat hello_output-1737373.txt
INFO: Converting OCI blobs to SIF format
WARNING: nodev' mount option set on /tmp, it could be a source of failure during build process
INFO: Starting build...
Getting image source signatures
Copying blob sha256:2db29710123e3e53a7947694094bb4338aa9ee5c40b930cb8063a1be392c54
Copying onfig sha256:8113f3caa888blee5310e2135cfd3f636b42e233fe0d76d9798ebd324621238b9
Writing manifest to image destination
Storing signatures
2022/04/19 03:31:31 info unpack layer: sha256:2db29710123e3e53a794f2694094b9b4338aa9ee5c40b930cb8063a1be392c54
INFO: Creating SIF file...
WARNING: passwd file doesn't exist in container, not updating
WARNING: group file doesn't exist in container, not updating
WARNING: group file doesn't exist in container, not updating
Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:

1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
(ama64)
3. The Docker demon created a new container from that image which runs the
executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it
to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
$ docker run —it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/get—started/
[mehajan@euler—login-2]-% |
```

Output of -

a. Contents of /home -

me468

2.

b. Hostname -

c. nvidia-smi

GPU Name Persistence-M Bus-		
Fan Temp Perf Pwr:Usage/Cap	Id Disp.A Volatile Memory-Usage GPU-Util 	
0 NVIDIA GeForce On 0000 0% 29C P8 6W / 180W 	0000:02:00.0 Off	N/A Default N/A
Processes: GPU GI CI PID Type P ID ID	rocess name	GPU Memory Usage

d. ros2

```
[[mahajan@euler-login-2]~/ME468/Assignments/Assignment10% cat ~/ros2.out usage: ros2 [-h] Call `ros2 <command> -h` for more detailed usage. ...
ros2 is an extensible command-line tool for ROS 2.
optional arguments:
-h, --help
                                show this help message and exit
Commands:
   action
                  Various action related sub-commands
                 Various rosbag related sub-commands
Various component related sub-commands
   bag
   component
   daemon
                  Various daemon related sub-commands
                 Check ROS setup and other potential issues Show information about ROS interfaces
   doctor
   interface
                  Run a launch file
   launch
   lifecycle
                  Various lifecycle related sub-commands
   multicast
                  Various multicast related sub-commands
   node
                  Various node related sub-commands
   param
                  Various param related sub-commands
                 Various package related sub-commands
Run a package specific executable
Various security related sub-commands
   pkg
   run
   security
                  Various service related sub-commands
   service
                  Various topic related sub-commands
Use `wtf` as alias to `doctor`
   topic
   wtf
   Call `ros2 <command> -h` for more detailed usage.
```

```
[[mahajan@euler-login-2]~/ME468/Assignments/Assignment10% cat ~/script.out
Loading PTX: /home/me468/chrono/build/lib/sensor_ptx/ChronoEngine_sensor_generated_box.cu.ptx
Loading PTX: /home/me468/chrono/build/lib/sensor_ptx/ChronoEngine_sensor_generated_sphere.cu.ptx
Loading PTX: /home/me468/chrono/build/lib/sensor_ptx/ChronoEngine_sensor_generated_cylinder.cu.ptx
Loading PTX: /home/me468/chrono/build/lib/sensor_ptx/ChronoEngine_sensor_generated_material_shaders.cu.ptx
Loading PTX: /home/me468/chrono/build/lib/sensor_ptx/ChronoEngine_sensor_generated_camera.cu.ptx
Loading PTX: /home/me468/chrono/build/lib/sensor_ptx/ChronoEngine_sensor_generated_lidar.cu.ptx
Loading PTX: /home/me468/chrono/build/lib/sensor_ptx/ChronoEngine_sensor_generated_radar.cu.ptx
Loading PTX: /home/me468/chrono/build/lib/sensor_ptx/ChronoEngine_sensor_generated_miss.cu.ptx
Shader compile time: 2.93017
WARNING: requested window could not be created by GLFW. Will proceed with no window.
Sim time: 20.0 Wall time: 1.8366765975952148
[mahajan@euler-login-2]~/ME468/Assignments/Assignment10%|
```