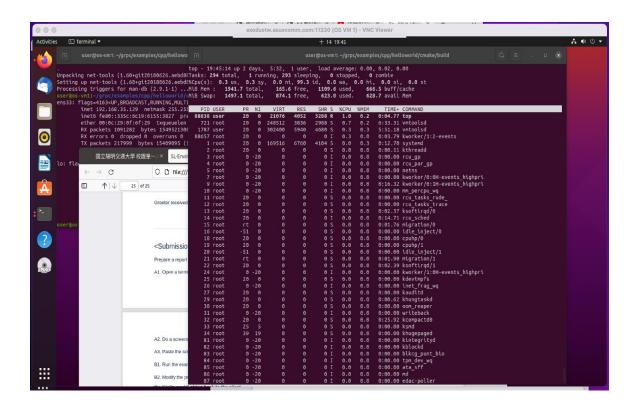
## **HW1: Environment Setup.**

## Part A:

Screenshot of the whole Ubuntu desktop environment (including the terminal window running top).



Part B:

Modification of the programs so that the client running in VM1 can send the "World" string to the Server in VM2, and the server can return the "Hello" string back to the client.

First, I run the example gRPC client program and the gRPC server program on two different machines.

I used \$iconfig to find the IP addresses of both VMs. IP address plays an important role in communication between server-client models. Server-client model is a communication model for sharing the resource and providing the service to different machines. The server is the main system that provides the resources and different kinds of services when the client requests to use it.

After finding the IP addresses of both VMs, I used the IP address of the server-client which is VM2 in order to communicate with the client which is VM1. The client running in VM1 can send the "World" string to the server in VM2, and the server can return the "Hello world" string back to the client.

