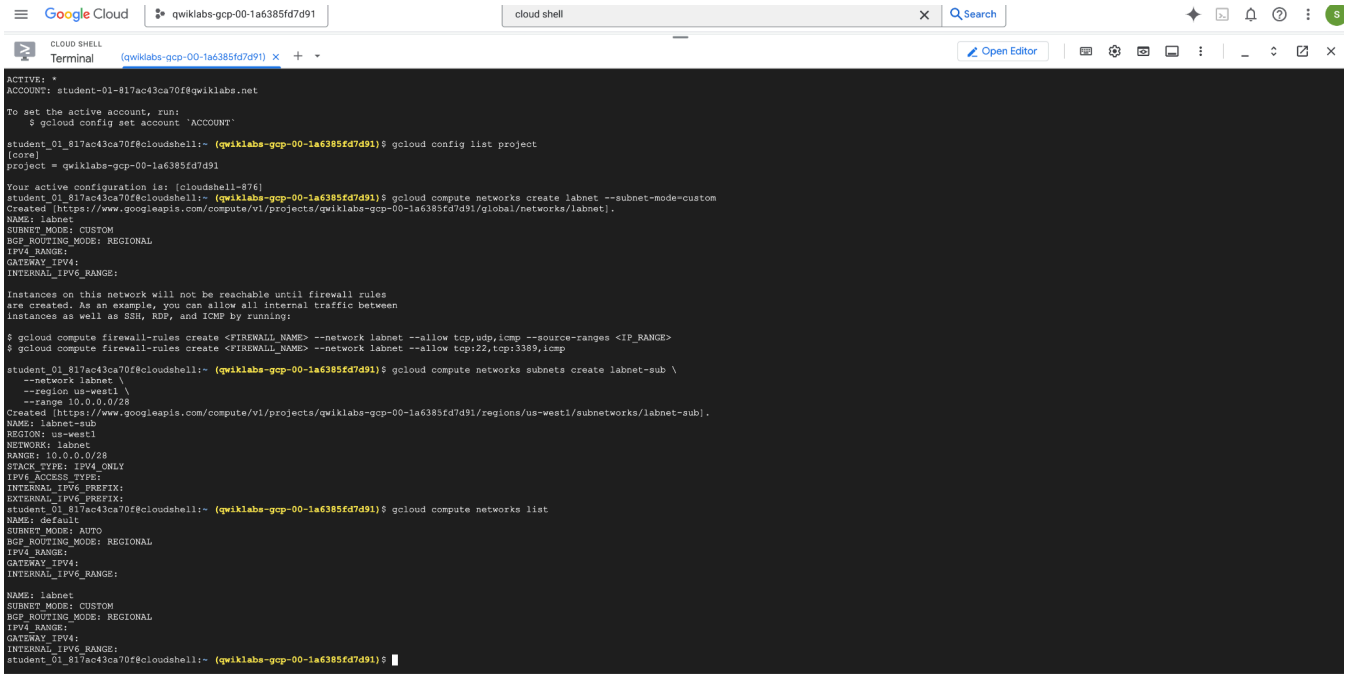
COURSE 1_LAB 1: CREATING A VPC USING CLOUD SHELL (IN GOOGLE CLOUD)



Intro:
In this cloud security lab through the Google Cloud Platform, using a student assigned account, I was able to create a VPC (virtual private cloud) using Cloud Shell. In this lab, I used the provided commands to return the information visible in the picture to set up a VPC.

Task(s):
1: Create a network
2. Create a subnet
3. View the network: (This task included a question near the end to ensure passing this task.)
The question was what is the subnet mode of the labnet network you created?

1. Auto
2. None of these options
3. Default
4. custom

4. List subnets: (This task included a question near the end to ensure passing this task.)
What is the name of the subnet in the labnet network?

1. Labnet
2. Labnet-sub
3. None of these options
4. default

What is a VPC:
A VPC, which stands for virtual private cloud, can be used to create a sandbox environment. By definition, it is a private network within a public cloud, offering enhanced security and control over resources. It allows you to test new features, code, etc., without impacting a deployed project, build, or live system that users have access to. Some other functions include, but not limited to, are managing network configurations as well as connecting to other networks and services.

What is Cloud Shell:
Cloud Shell is a command-line tool used to test, build, and research information in the terminal, such as creating a VPC (virtual private cloud).

Conclusion:
In this lab, I was able to enter commands in Cloud Shell to create a network, create a subnet, view the network as well as list the subnets.