Que 1 →

- Create two Azure AD users and one Azure AD Group using Terraform.
- Make sure you will use variables for names of Azure AD users and Group.
- Note :- Below files are required.
  - main.tf
  - variables.tf
  - your_name_custom.tfvars

Que 2 →

- Create one Azure Linux Machine , Azure public IP and Azure Network Interface using Terraform and associate public IP with Azure Linux Machine.
- Also please make sure you will use a combination of both variables in the main.tf file.
  i.e. local and variable from variables.tf and custom.tfvars file.
- Also use output values to print Public IP of Azure Linux Machine.
- Note :-
  Here you will require one locals in the main.tf file.
  Also one output value in the main.tf file.

Que 3 →

- Create Azure Virtual Network with Terraform.
- Please follow the given link for more on AWS VPC creation.

1. Create Resource G
2. Create Azure Virtual Network

3. Create Web Subnet
4. Create App Subnet
5. Create DB Subnet
6. Create Azure Network SG for WEb to allow all traffic on port 80
7. Create Azure Network SG for APP to allow all traffic on port 8080.
8. Create Azure Network SG for DB to allow all traffic on port 3306.
9. Associate
    a. Web NSG to WEB subnet
    b. APP NSG to APP Subnet &
    c. DB NSG to DB Subnet.
10. Create a NAT Gateway in Same resource Group
11. Associate NAT Gateway to APP subnet.

- Link :-
  https://www.varonis.com/blog/azure-virtual-network

- Note :-
  Try to create this manually to understand the concepts and then go for Terraform automation.

Que 4 →

- Create Azure VM in the App Subnets & Validate your Connection using ssh.

- Also check if you are able to ping google.com from that VM.

- For this You need to create the Azure VM using Terraform.
  - Azure VM.
  - Enable Password Authentication.
  - Try to access VM.