Terraform - Session #3

Requirements

- Install Terraform
    - https://www.terraform.io/downloads.html
- Access to trambo AWS account

Tasks

Clone this repo:

https://github.com/terraform-aws-modules/terraform-aws-vpc

This repo contains the blueprint VPC module and you need to do the following:

1. Read the main file of the vpc
   https://github.com/terraform-aws-modules/terraform-aws-vpc/blob/master/main.tf
    a. Obtain 3 functionalities that you find interesting for example
        i. Count
        ii. For each
        iii. element() function
    b. Document what is the purpose of each of those functionalities that you find interesting

2. Deploy the following infrastructure
    a.
        i. Deploy a VPC (Using the terraform-aws-vpc module)
        ii. Deploy a EC2 inside that VPC (Module created by yourself)
    b.
        i. Deploy a VPC (Module created by yourself)
        ii. Deploy a EC2 inside that VPC (Module created by yourself)

Example of folder structure for a:

/ROOT_MODULE
    Variables.tf
    Main.tf
    Output.tf
    modules/
        EC2
            Variables.tf
            Main.tf
            Output.tf

Example of folder structure for b:

/ROOT_MODULE
    Variables.tf
    Main.tf
    Output.tf
    modules/
        VPC
            Variables.tf
            Main.tf
            Output.tf
        EC2
            Variables.tf
            Main.tf
            Output.tf