LAB-7

Creating Multiple IAM Users in Terraform

Step 1: Create a new Terraform IAM Users directory

```
~/Documents/SPCM/Terraform  v1.7.1default as  ¬
→ mkdir Terraform-IAM-Users

~/Documents/SPCM/Terraform v1.7.1default as  ¬
→ cd Terraform-IAM-Users

~/Documents/SPCM/Terraform/Terraform-IAM-Users as  ¬
→ □
```

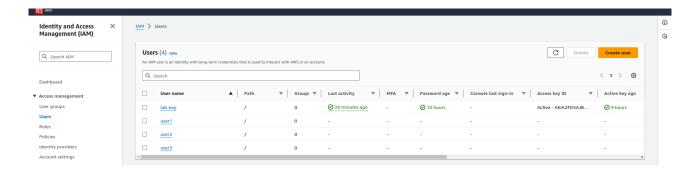
Step 2: Create a main.tf file

```
🍟 main.tf
main.tf
  1 terraform {
      required providers {
        aws = {
          source = "hashicorp/aws"
           version = "5.35.0"
    provider "aws" {
      region = "ap-south-1"
       access key =
       secret key =
 16 variable "iam users"{
      type =list(string)
          default= ["user1", "user2", "user3"]
 21 resource "aws iam user" "iam users"{
       count = length(var.iam_users)
         name = var.iam users[count.index]
         tags = {
             Name = "${var.iam users[count.index]}-user"
```

Step 3: Initialize and plan

Step 4: Apply

Step 5: Verify Users in AWS Console



Step 6: Add or remove IAM user

Modify the main.tf file to add or remove users the rerun terraform apply command to apply changes

```
main.tf
main.tf
      terraform {
        required providers {
          aws = {
            source = "hashicorp/aws"
            version = "5.35.0"
        }
      provider "aws" {
        region = "ap-south-1"
        access key = "AKIA2FD5AJBR2NUSDMTH"
        secret key = "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"
      variable "iam users"{
          type =list(string)
          default= ["user a", "user b", "user3"]
 18
      resource "aws iam user" "iam users"{
          count = length(var.iam users)
          name = var.iam users[count.index]
          tags = {
               Name = "${var.iam users[count.index]}-user"
```

```
Plan: 0 to add, 3 to change, 0 to destroy.

Do you want to perform these actions?

Terraform will perform the actions described above.

Only 'yes' will be accepted to approve.

Enter a value: yes

aws_iam_user.iam_users[0]: Modifying... [id=user1]

aws_iam_user.iam_users[2]: Modifying... [id=user3]

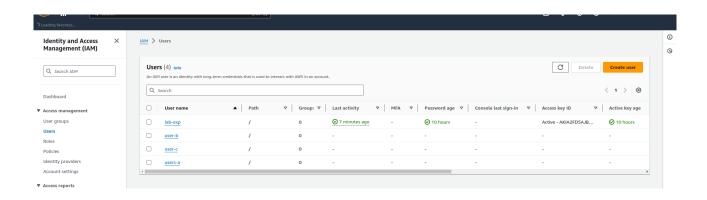
aws_iam_user.iam_users[1]: Modifying... [id=user2]

aws_iam_user.iam_users[2]: Modifications complete after 1s [id=user-c]

aws_iam_user.iam_users[0]: Modifications complete after 1s [id=users-a]

aws_iam_user.iam_users[1]: Modifications complete after 1s [id=user-b]

Apply complete! Resources: 0 added, 3 changed, 0 destroyed.
```



Step 7: Clean Up

