terraform {

required\_providers {

aws = {

source = "hashicorp/aws"

version = "5.18.1"

}

}

}

provider "aws" {

# Configuration options

}

locals {

mytag = "sam-local-name"

}

resource "aws\_instance" "tf-ec2" {

ami = var.ec2\_ami

instance\_type = var.ec2\_type

key\_name = "my\_key" # write your pem file without .pem extension>

tags = {

Name = "${local.mytag}-come from locals"

}

}

resource "aws\_s3\_bucket" "tf-s3" {

for\_each = toset(var.users)

bucket = "sam-tf-s3-bucket24-${each.value}"

}

resource "aws\_iam\_user" "new\_users" {

for\_each = toset(var.users)

name = each.key

}

output "tf\_example\_public" {

value = aws\_instance.tf-ec2.public\_ip

}

output "s3name" {

value = values(aws\_s3\_bucket.tf-s3)[\*].bucket

}

output "users"{

value = values(aws\_iam\_user.new\_users)[\*].name

}