**Installing terraform on windows and configuring:**

* Download Terraform from chrome for windows version- <https://developer.hashicorp.com/terraform/install>
* Its always good to extract and keep the file in c drive system32 ----- Go to downloads—right click – extract all – browse – c drive – windows—system32 – give ok
* Now we have to set the environment path- In windows go to Edit system environment variable ---- Environment variables --- Path (Down)----edit ---new---(V have to give path of our terraform) --- Go to terraform in system32—right click and click on properties – copy the location and paste it in the new location and give\terraform ---- ok—ok---ok.

**Download VS Code, and Hashicorp Terraform autocomplete extension**

* Instal VS Code for windows 64bit – open—Extensions in side – search for Hashicrop Terraform and Terraform Autocomplete and install it.

**Download and install AWS CLI on windows**

* Download Aws cli for windows from chrome and install it.

**Create IAM user in AWS attaching Admin access , Access key and S.Access key**

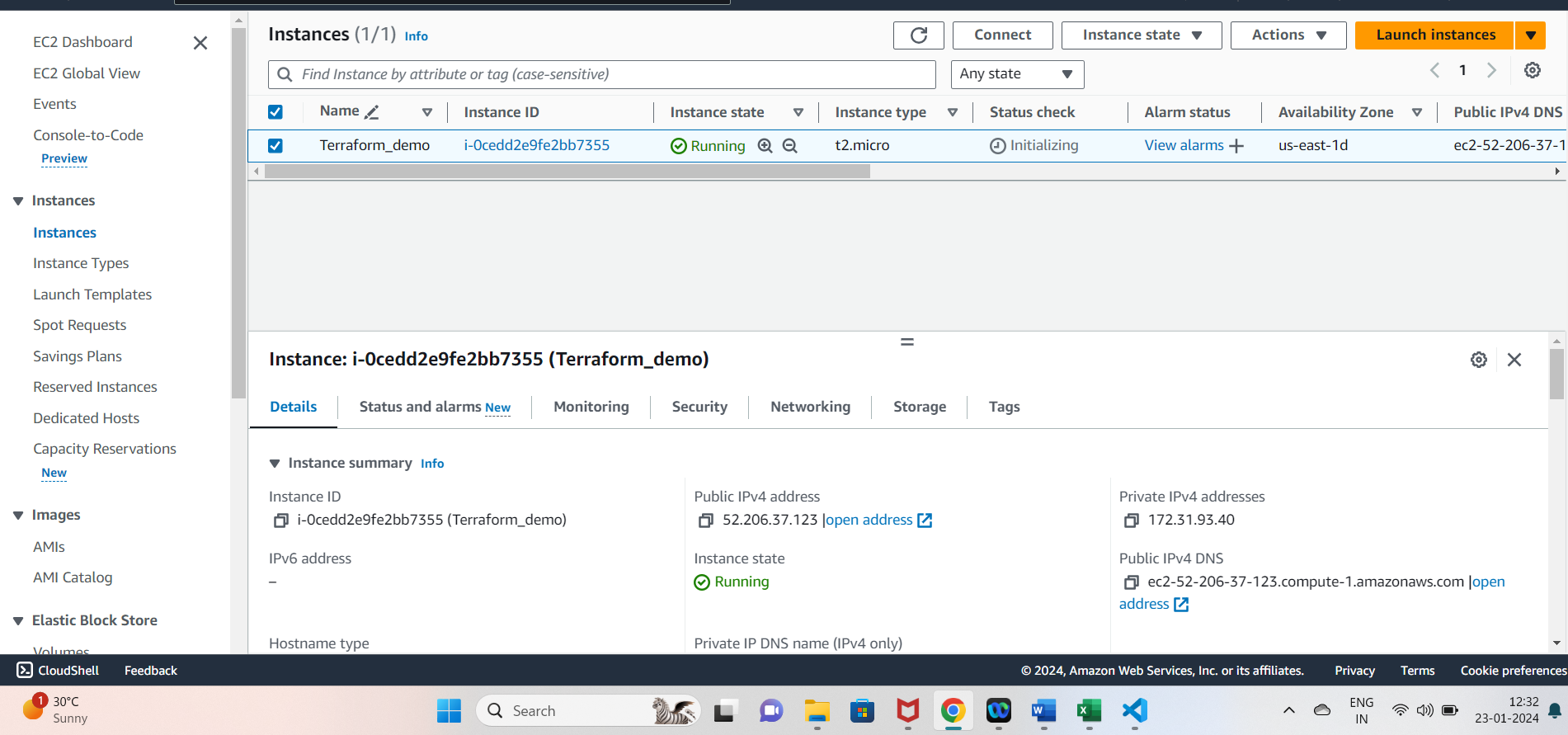
* In AWS console--- create IAM user and also create keys and download the csv file.

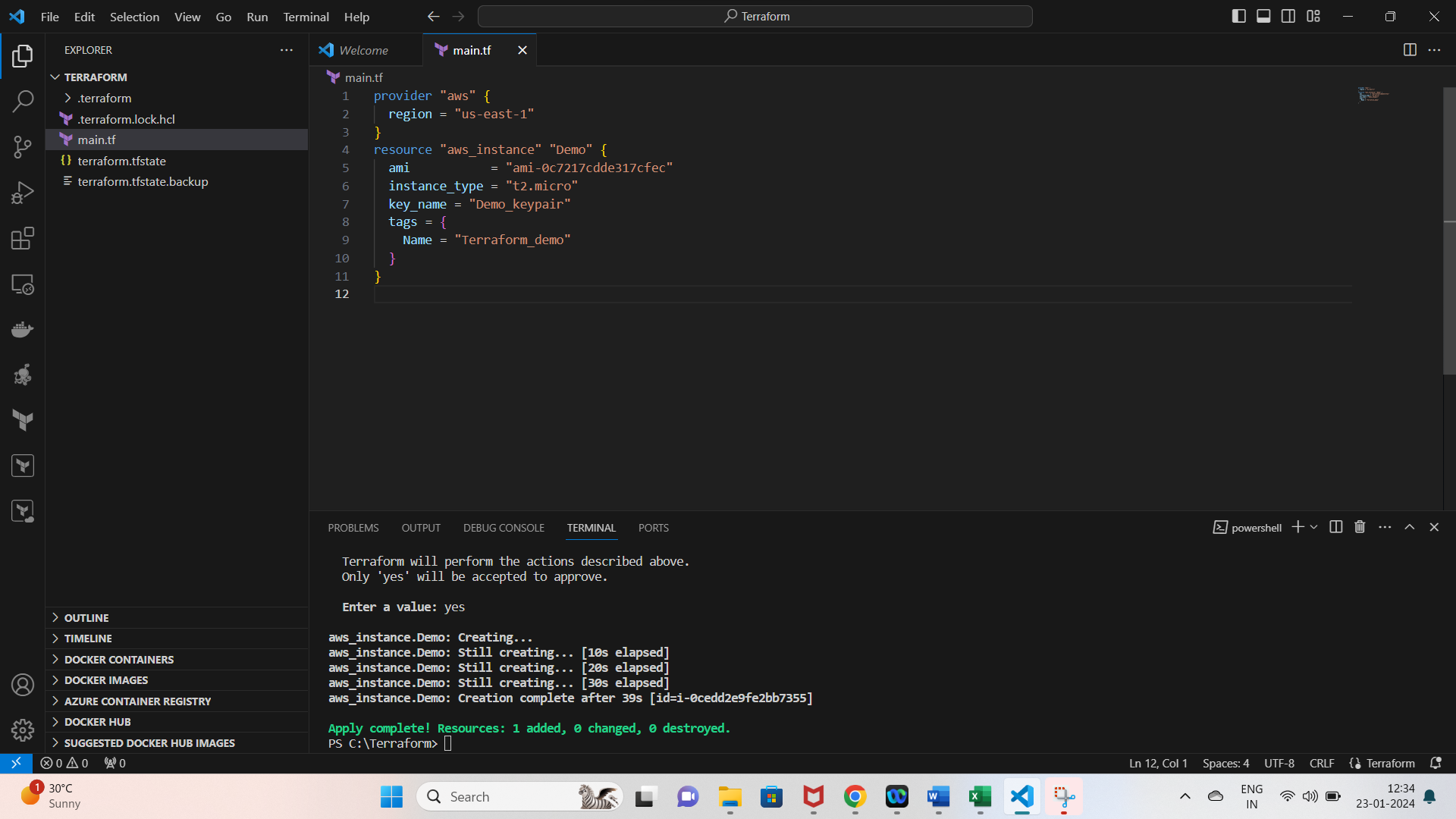
**Configure IAM user --- AWS Configure**

* In vs code check for terraform -v
* aws configure --- give ac key, sac key, region, format :json

**Creating directory and create EC2 instance in AWS using Terraform**

* Go to c drive and create a new folder Terraform.
* Now in VS code create on file –new folder --- browse terraform from c drive and give ok.
* Now under Terraform in VS Code create a new file as **main.tf**
* **Screenshot for creating EC2 instance using terraform**
* provider "aws" {
* region = "us-east-1"
* }
* resource "aws\_instance" "Demo" {
* ami           = "ami-0c7217cdde317cfec"
* instance\_type = "t2.micro"
* key\_name = "Demo\_keypair"
* tags = {
* Name = "Terraform\_demo"
* }
* }
* **terraform init**
* **terraform validate**
* **terraform plan**
* **terraform apply**

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