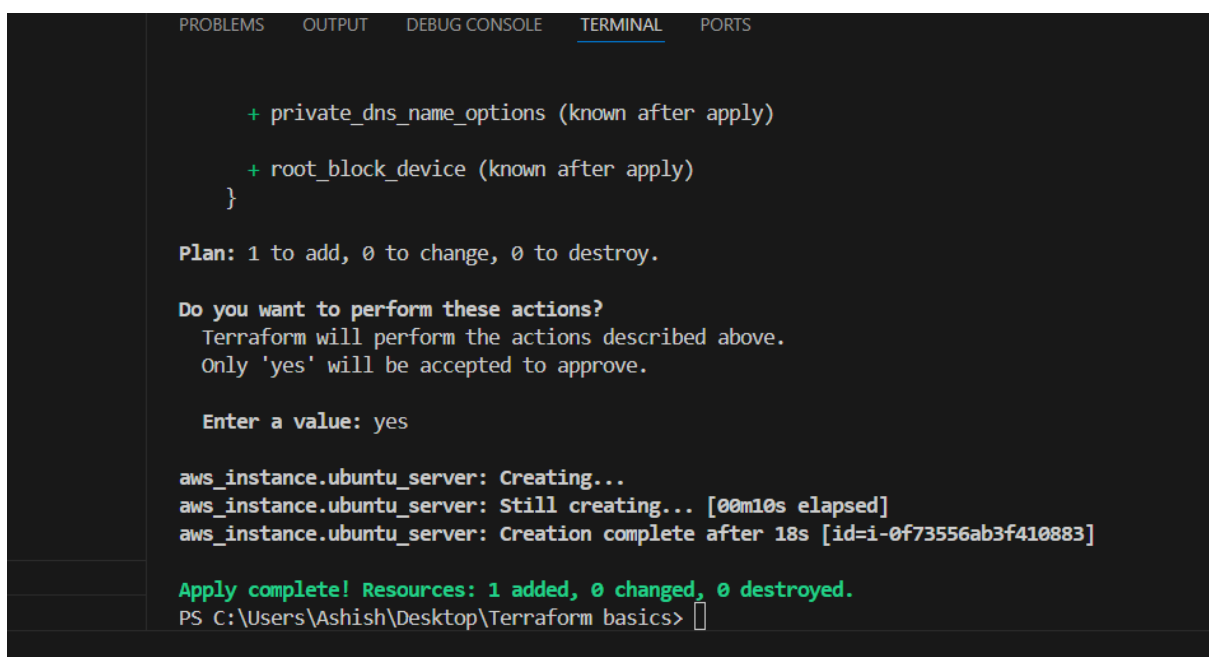
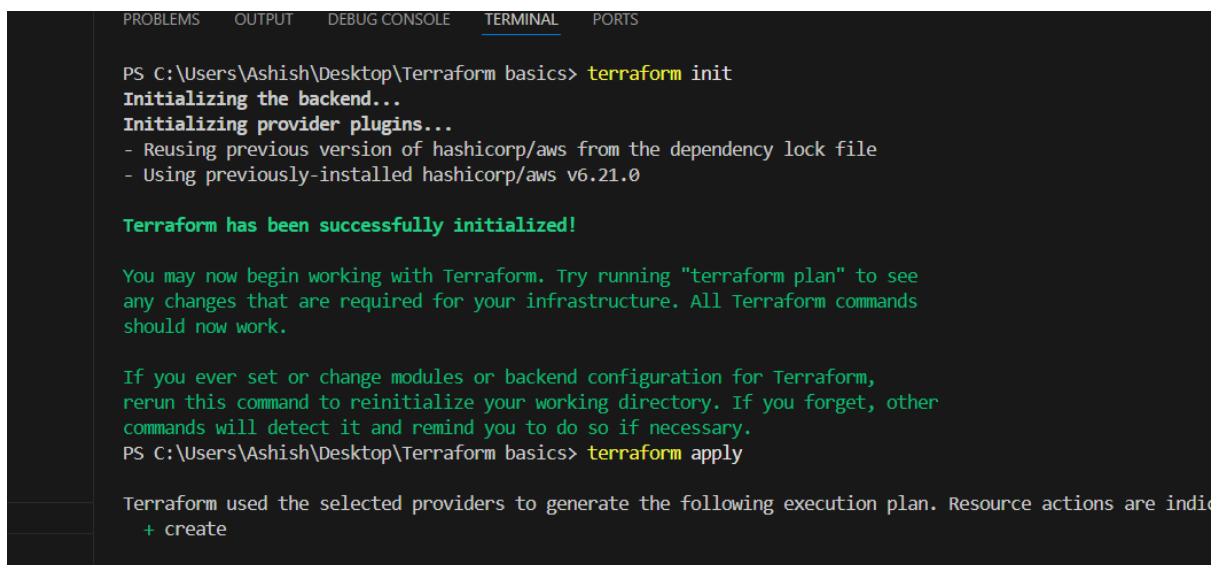
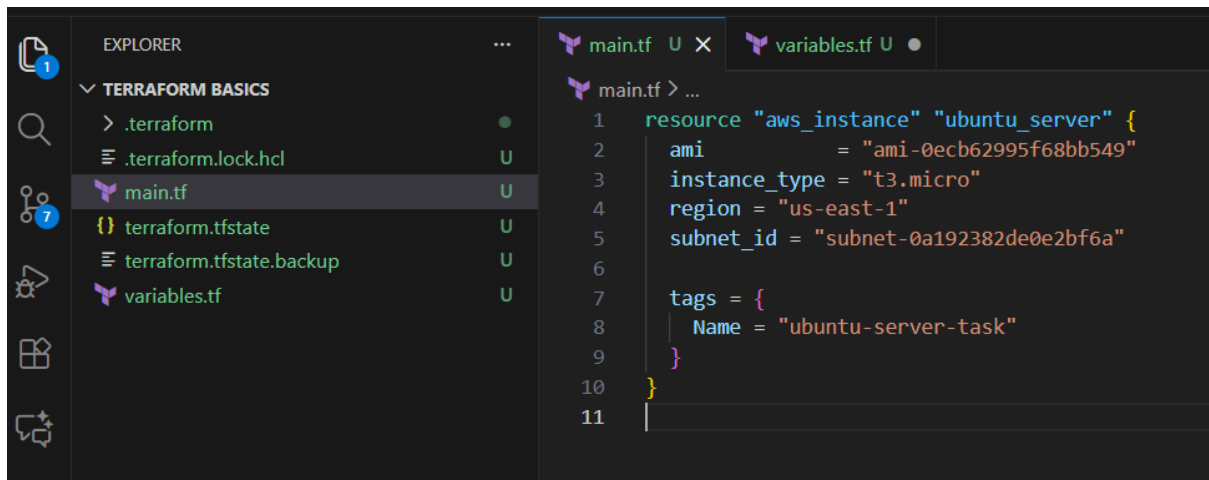


Write a code using Terraform that deploys and achieves the following:-

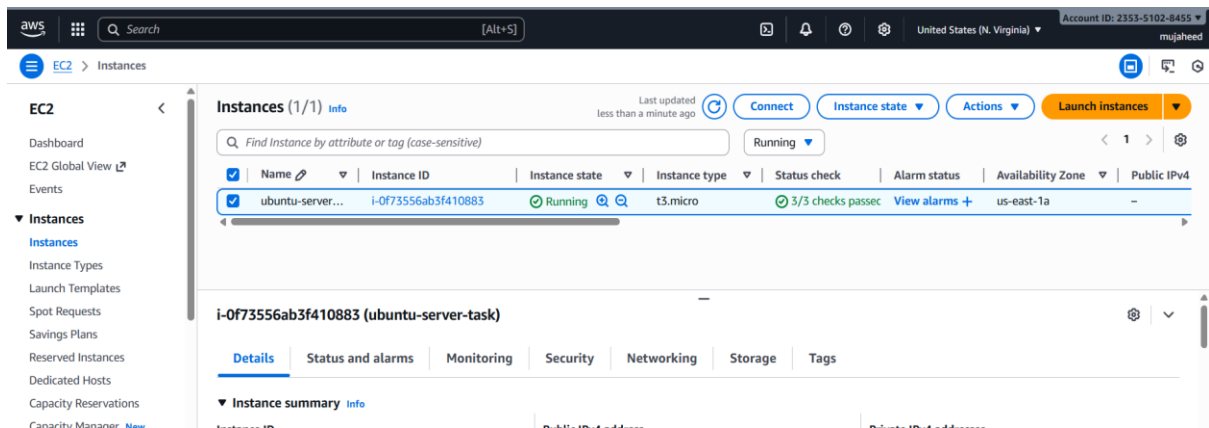
- 1. Create an EC2 Instance on AWS Cloud using the below-mentioned ubuntu AMI and instance_type. Or, (You can use of your choice as well) ami = "ami-0ecb62995f68bb549" instance_type = "t3.micro"**

Give this script in main.tf

```
resource "aws_instance" "ubuntu_server" {  
  
    ami      = "ami-0ecb62995f68bb549"  
  
    instance_type = "t3.micro"  
  
    region = "us-east-1"  
  
    subnet_id = "subnet-0a192382de0e2bf6a"  
  
    tags = {  
        Name = "ubuntu-server-task"  
    }  
}
```



An ubuntu server instance has been created.



2. Install a web server on the same EC2 Instance. The web server should listen on port 8080.

Give the code like this in resource block in main.tf

```
resource "aws_instance" "ubuntu_server" {
```

```
    ami          = "ami-0ecb62995f68bb549"
```

```
    instance_type = "t3.micro"
```

```
    subnet_id     = "subnet-0a192382de0e2bf6a"
```

```
    region        = "us-east-1"
```

```
    vpc_security_group_ids = [aws_security_group.web_sg.id]
```

```
    associate_public_ip_address = true
```

```
    user_data = <<-EOF
```

```
        #!/bin/bash
```

```
        apt update -y
```

```
apt install -y apache2
```

```
sed -i 's/Listen 80/Listen 8080/' /etc/apache2/ports.conf
```

```
sed -i 's/<VirtualHost *:80>/<VirtualHost *:8080>/'  
/etc/apache2/sites-enabled/000-default.conf
```

```
systemctl restart apache2
```

EOF

```
tags = {
```

```
    Name = "ubuntu-server-task"
```

```
}
```

```
}
```

```
resource "aws_security_group" "web_sg" {
```

```
    name      = "webserver-sg"
```

```
    description = "Allow port 8080"
```

```
    vpc_id    = "vpc-06cf45eaab13624fe"
```

```
ingress {
```

```
    from_port = 8080
```

```
    to_port   = 8080
```

```
protocol    = "tcp"
```

```
cidr_blocks = ["0.0.0.0/0"]
```

```
}
```

```
egress {
```

```
  from_port = 0
```

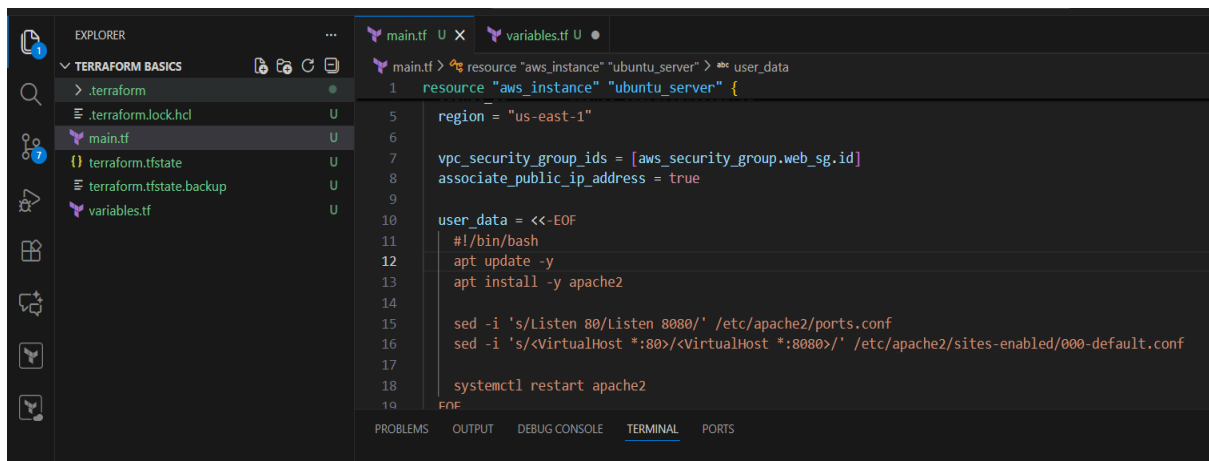
```
  to_port   = 0
```

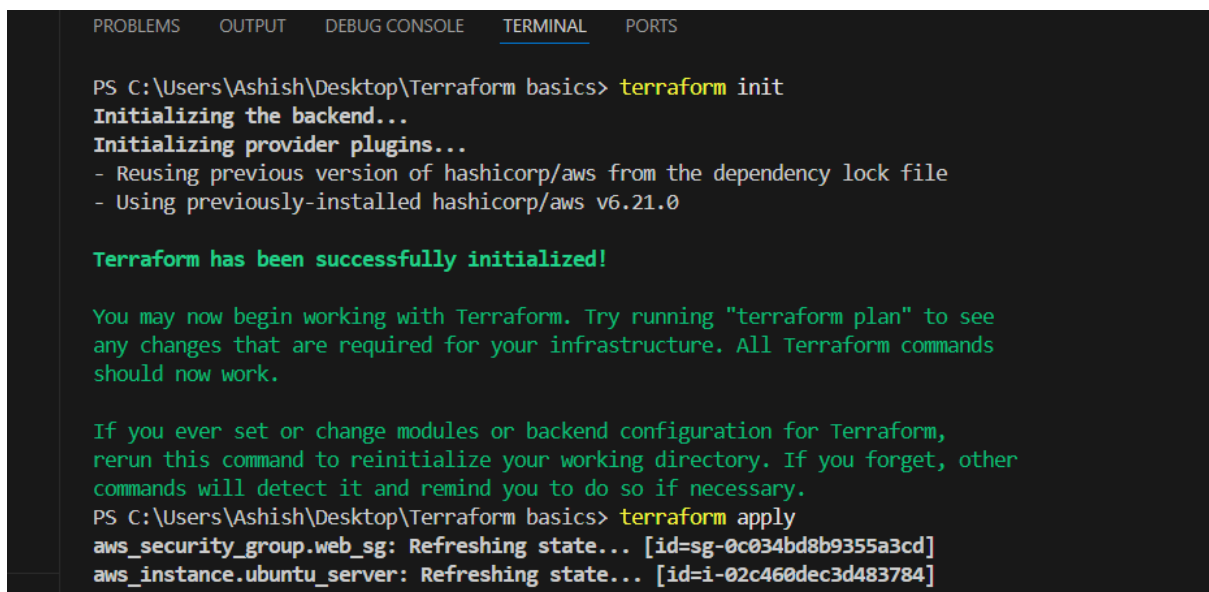
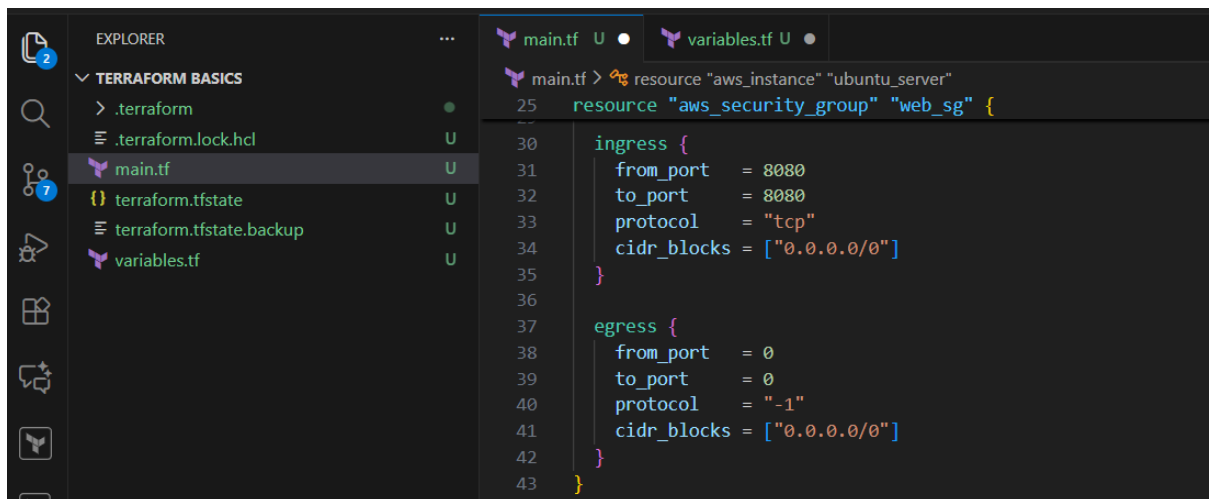
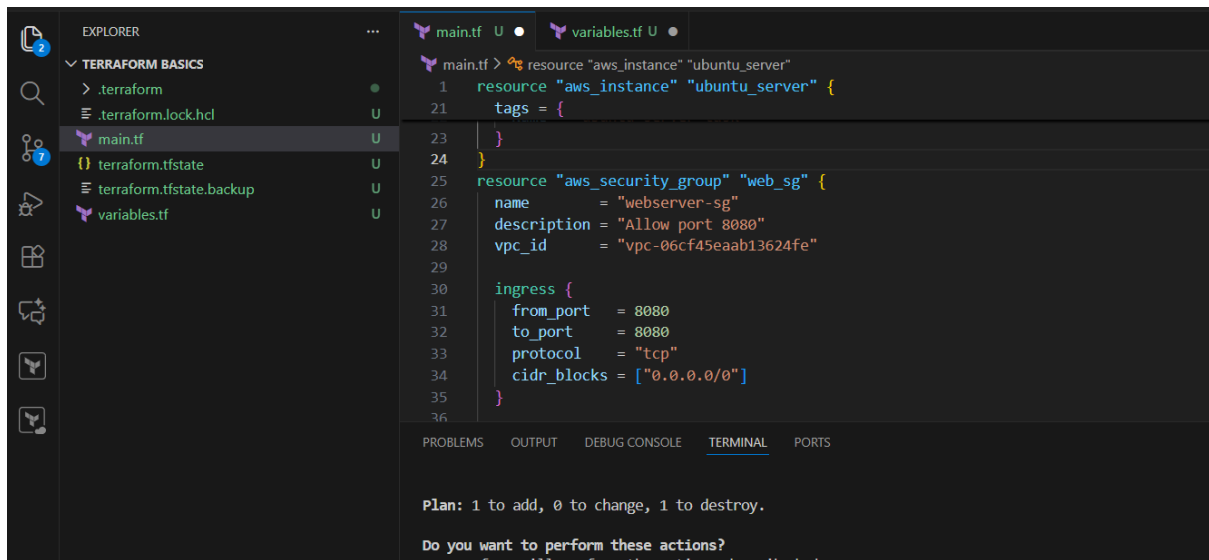
```
  protocol  = "-1"
```

```
  cidr_blocks = ["0.0.0.0/0"]
```

```
}
```

```
}
```





```
Plan: 1 to add, 0 to change, 1 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_instance.ubuntu_server: Destroying... [id=i-02c460dec3d483784]
aws_instance.ubuntu_server: Still destroying... [id=i-02c460dec3d483784, 00m10s elapsed]
aws_instance.ubuntu_server: Still destroying... [id=i-02c460dec3d483784, 00m20s elapsed]
aws_instance.ubuntu_server: Still destroying... [id=i-02c460dec3d483784, 00m30s elapsed]
aws_instance.ubuntu_server: Destruction complete after 33s
aws_instance.ubuntu_server: Creating...
aws_instance.ubuntu_server: Still creating... [00m10s elapsed]
aws_instance.ubuntu_server: Creation complete after 15s [id=i-09d4d87fd245422e9]

Apply complete! Resources: 1 added, 0 changed, 1 destroyed.
PS C:\Users\Ashish\Desktop\Terraform basics> |
```

Copy your public ip and search in browser with the port number 8080. You will find the apache2 webpage.



3. Create a Docker-compose file for the project: <https://github.com/betawins/cricbuzz-docker-hello-world.git> and point it to port 8000.

* <https://github.com/mujaheed00/cricbuzz-docker-hello-world.git>

Give this script in main.tf

```
provider "aws" {  
  region = "us-east-1"  
}  
  
resource "aws_security_group" "web_sg" {  
  name = "webserver-sg"  
  description = "Allow SSH and port 8000"  
  vpc_id = "vpc-06cf45eaab13624fe"  
  ingress {  
    from_port = 22  
    to_port = 22  
    protocol = "tcp"  
    cidr_blocks = ["0.0.0.0/0"]  
  }  
  ingress {  
    from_port = 8000  
    to_port = 8000  
    protocol = "tcp"
```



```
cidr_blocks = ["0.0.0.0/0"]
}
egress {
  from_port = 0
  to_port = 0
  protocol = "-1"
  cidr_blocks = ["0.0.0.0/0"]
}
}

resource "aws_instance" "ubuntu_server" {
  ami = "ami-0ecb62995f68bb549"
  instance_type = "t3.micro"
  subnet_id = "subnet-0a192382de0e2bf6a"
  associate_public_ip_address = true
  vpc_security_group_ids = [aws_security_group.web_sg.id]
  user_data = <<-USERDATA
  #!/bin/bash

  set -e

  # Update packages
  apt update -y

  # Install Docker
```

apt install -y docker.io

systemctl enable docker

systemctl start docker

Install Git

apt install -y git

Install Docker Compose v2

curl -SL

[https://github.com/docker/compose/releases/latest/download/docker-compose-\\$\(uname -s\)-\\$\(uname -m\) \](https://github.com/docker/compose/releases/latest/download/docker-compose-$(uname -s)-$(uname -m) \)

-o /usr/local/bin/docker-compose

chmod +x /usr/local/bin/docker-compose

Clone your repository

cd /home/ubuntu

git clone <https://github.com/mujaheed00/cricbuzz-docker-hello-world.git>

cd cricbuzz-docker-hello-world

Fix permissions

chown -R ubuntu:ubuntu /home/ubuntu/cricbuzz-docker-hello-world

Create docker-compose.yml

cat <<'COMPOSE' > docker-compose.yml

services:

cricbuzz-app:

build: .

container_name: cricbuzz-app

ports:

- "8000:8080"

restart: always

COMPOSE

Build and run the app

/usr/local/bin/docker-compose up --build -d

USERDATA

tags = {

Name = "ubuntu-server-task"

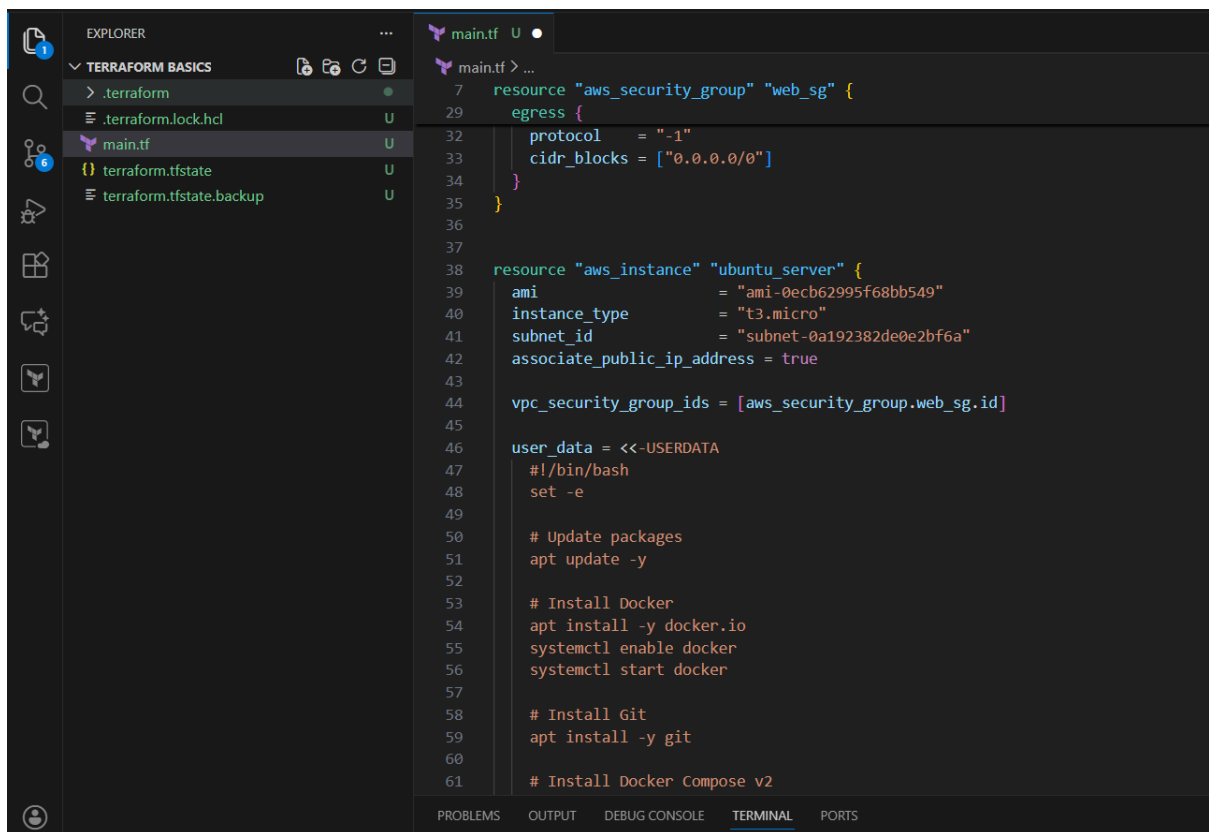
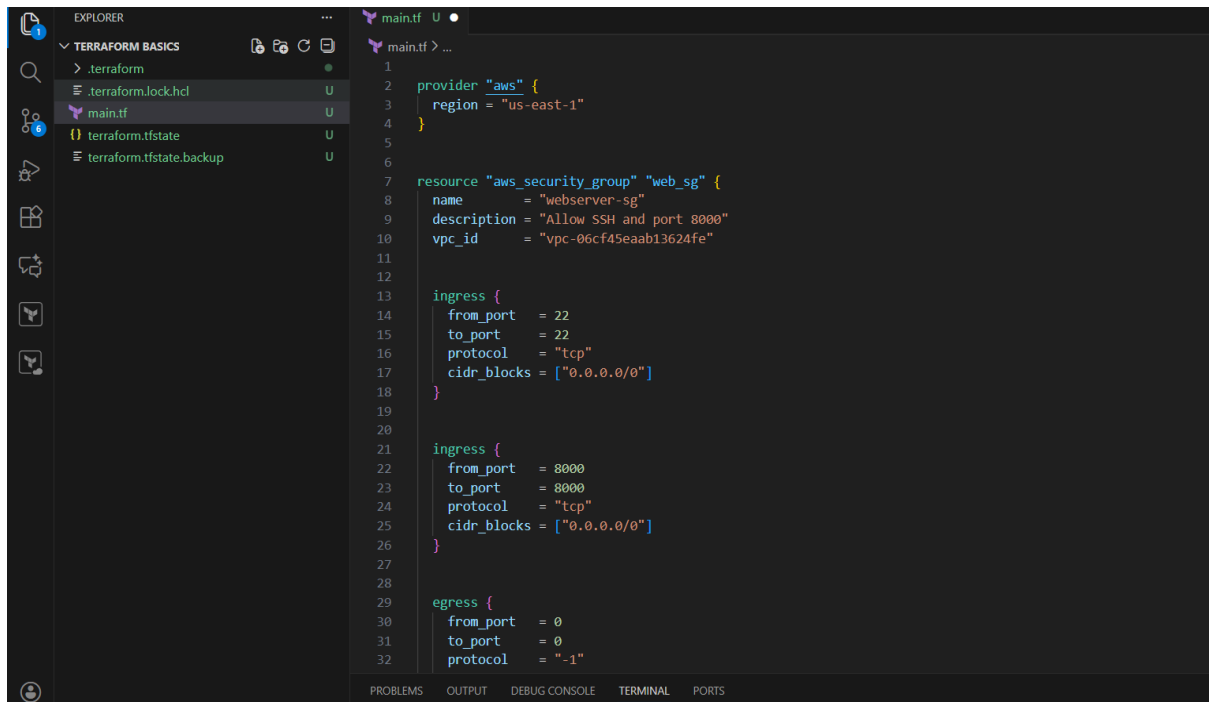
}

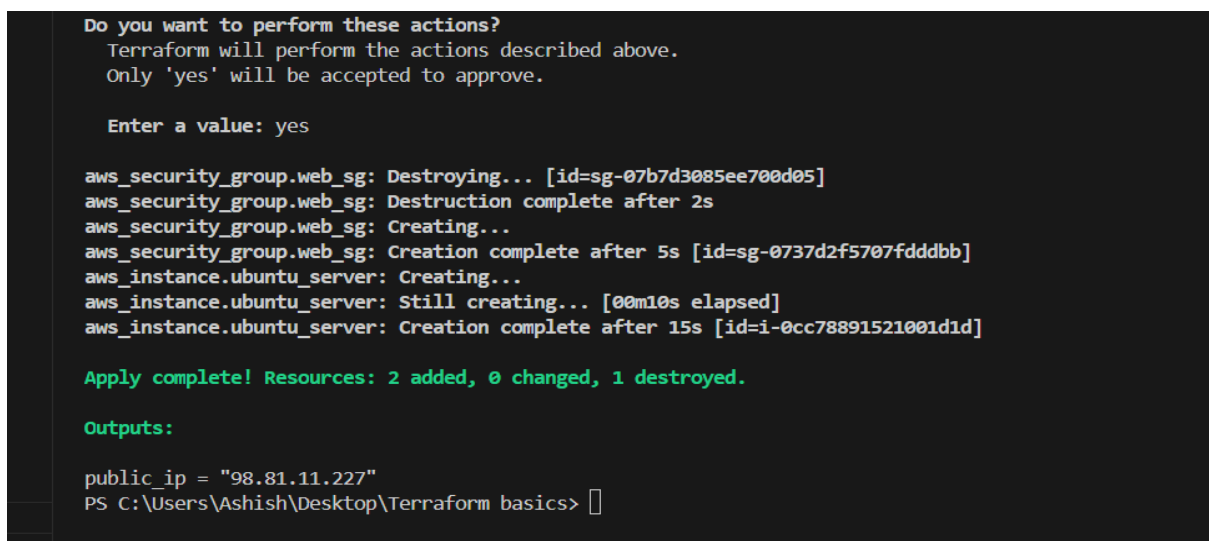
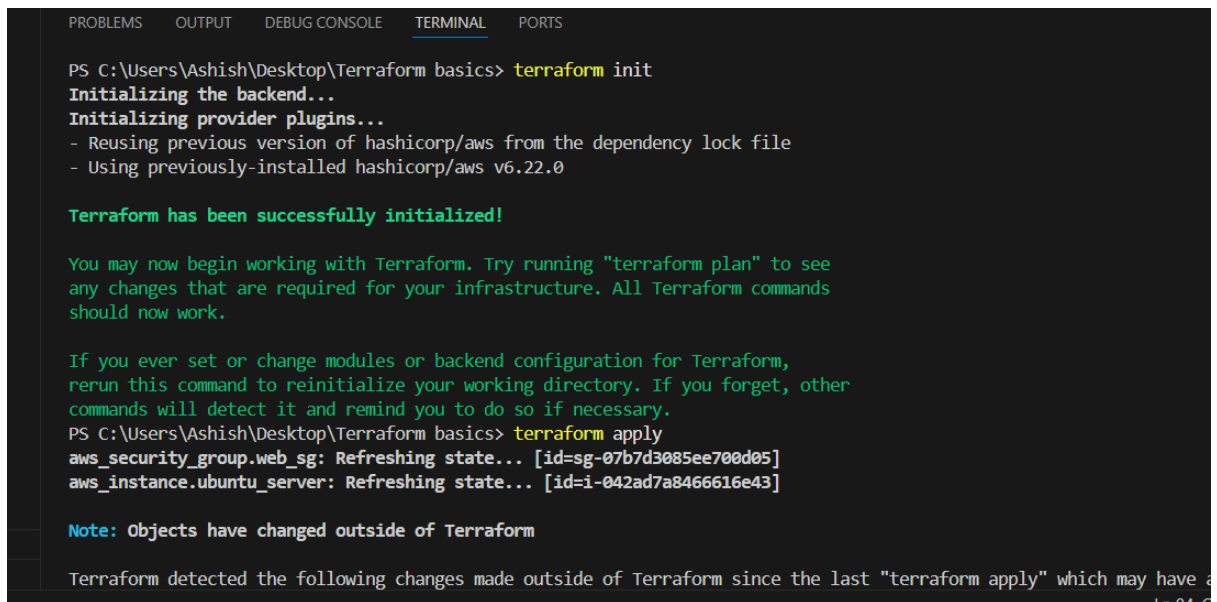
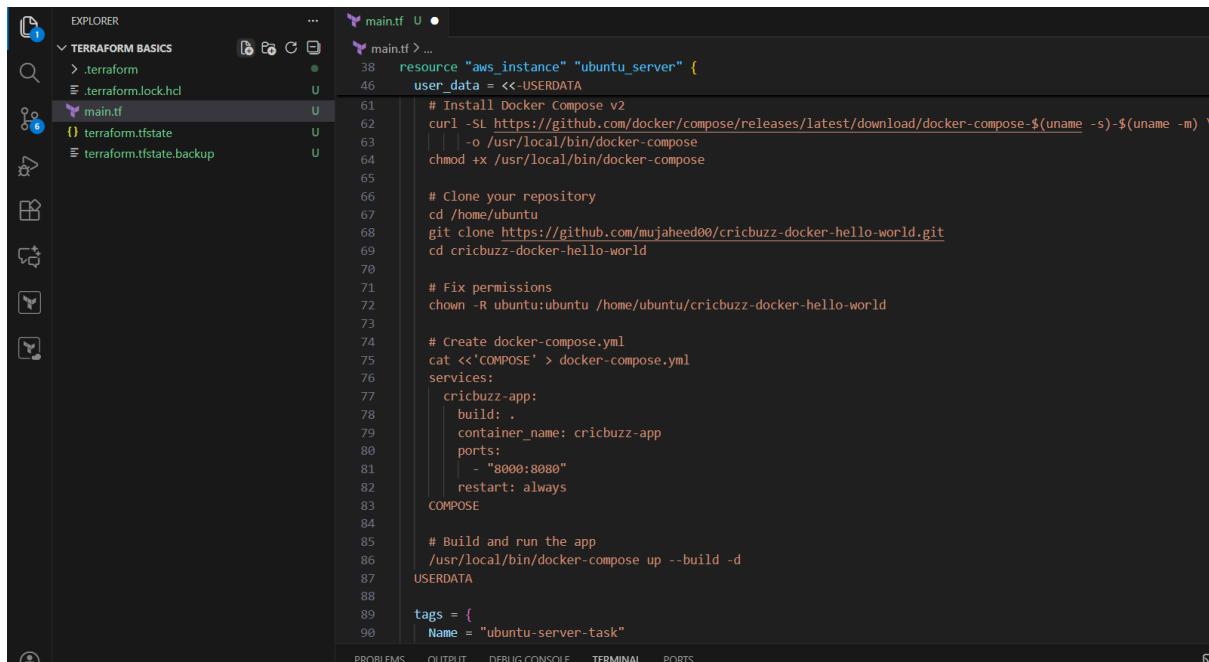
}

output "public_ip" {

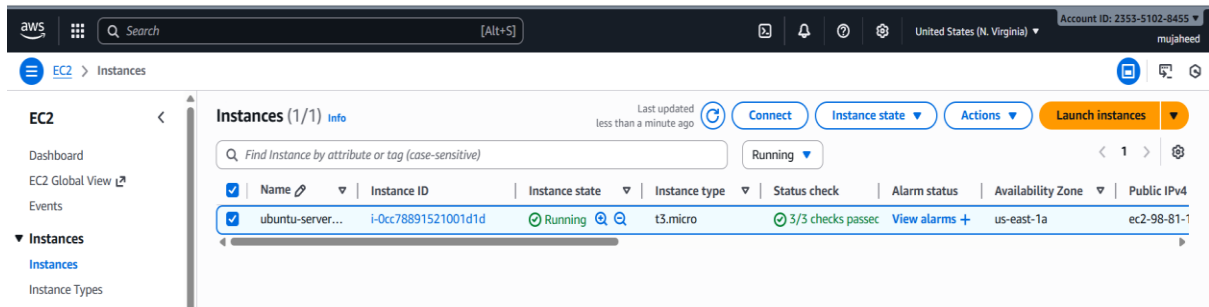
value = aws_instance.ubuntu_server.public_ip

}





An instance has been created.



Open the instance and execute this commands.

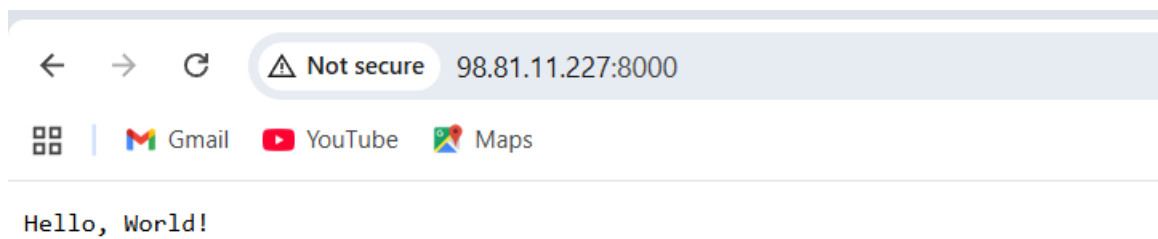
- `cd ~/cricbuzz-docker-hello-world`
- `sudo docker-compose down`
- `sudo docker-compose up --build -d`

```
ubuntu@ip-172-31-30-76:~$ cd ~/cricbuzz-docker-hello-world
ubuntu@ip-172-31-30-76:~/cricbuzz-docker-hello-world$ sudo docker-compose down
[+] Running 2/2
  ✓ Container cricbuzz-app                      Removed
  ✓ Network cricbuzz-docker-hello-world_default Removed
ubuntu@ip-172-31-30-76:~/cricbuzz-docker-hello-world$ sudo docker-compose up --build -d
no such service: -d
ubuntu@ip-172-31-30-76:~/cricbuzz-docker-hello-world$ sudo docker-compose up --build -d
WARN[0000] Docker Compose is configured to build using Bake, but buildx isn't installed
[+] Building 0.4s (12/12) FINISHED
=> [cricbuzz-app internal] load build definition from Dockerfile
=> => transferring dockerfile: 249B
=> [cricbuzz-app internal] load metadata for ghcr.io/vincetse/scratch:latest
=> [cricbuzz-app internal] load metadata for docker.io/library/golang:1.22-alpine
=> [cricbuzz-app internal] load .dockerignore
=> => transferring context: 2B
=> [cricbuzz-app builder 1/4] FROM docker.io/library/golang:1.22-alpine@sha256:1699c10032ca2582ec89
=> [cricbuzz-app internal] load build context
=> => transferring context: 2.49kB
=> CACHED [cricbuzz-app builder 2/4] WORKDIR /app
=> CACHED [cricbuzz-app builder 3/4] COPY . .
=> CACHED [cricbuzz-app builder 4/4] RUN go mod tidy && go build -o hello_world
=> CACHED [cricbuzz-app stage-1 1/2] COPY --from=builder /app/hello_world .
=> [cricbuzz-app] exporting to image
=> => exporting layers
=> => writing image sha256:e09ee1824041d9b5f828478f941ba8b558264d25bc2dca3b68a5b16b40a0d1e8
=> CACHED [cricbuzz-app builder 3/4] COPY . .
=> CACHED [cricbuzz-app builder 4/4] RUN go mod tidy && go build -o hello_world
=> CACHED [cricbuzz-app stage-1 1/2] COPY --from=builder /app/hello_world .
=> [cricbuzz-app] exporting to image
=> => exporting layers
=> => writing image sha256:e09ee1824041d9b5f828478f941ba8b558264d25bc2dca3b68a5b16b40a0d1e8
=> => naming to docker.io/library/cricbuzz-docker-hello-world-cricbuzz-app
=> [cricbuzz-app] resolving provenance for metadata file
[+] Running 3/3
  ✓ cricbuzz-app                      Built
  ✓ Network cricbuzz-docker-hello-world_default Created
  ✓ Container cricbuzz-app              Started
ubuntu@ip-172-31-30-76:~/cricbuzz-docker-hello-world$
```

i-0cc78891521001d1d (ubuntu-server-task)

PublicIPs: 98.81.11.227 PrivateIPs: 172.31.30.76

Search in browser with public ip and port number 8000



4. Make the web server point to the above service so that 8080 returns the response from the Docker service.

Add this script in main.tf

```
provider "aws" {  
  region = "us-east-1"  
}  
  
resource "aws_security_group" "web_sg" {  
  name = "webserver-sg"  
  description = "Allow SSH and port 8080"  
  vpc_id = "vpc-06cf45eaab13624fe"  
  ingress {  
    from_port = 22  
    to_port = 22  
    protocol = "tcp"
```

```
cidr_blocks = ["0.0.0.0/0"]
}
ingress {
  from_port = 8080
  to_port = 8080
  protocol = "tcp"
  cidr_blocks = ["0.0.0.0/0"]
}
egress {
  from_port = 0
  to_port = 0
  protocol = "-1"
  cidr_blocks = ["0.0.0.0/0"]
}
}
resource "aws_instance" "ubuntu_server" {
  ami = "ami-0ecb62995f68bb549"
  instance_type = "t3.micro"
  subnet_id = "subnet-0a192382de0e2bf6a"
  associate_public_ip_address = true
  vpc_security_group_ids = [aws_security_group.web_sg.id]
```



```
user_data = <<-USERDATA

#!/bin/bash

set -e

apt update -y

# Install Docker

apt install -y docker.io

systemctl enable docker

systemctl start docker

apt install -y git

# Install Docker Compose v2

curl -SL
"https://github.com/docker/compose/releases/latest/download/docker-compose-$(uname -s)-$(uname -m)" \
-o /usr/local/bin/docker-compose

chmod +x /usr/local/bin/docker-compose

cd /home/ubuntu

git clone https://github.com/mujaheed00/cricbuzz-docker-hello-world.git

cd cricbuzz-docker-hello-world

chown -R ubuntu:ubuntu /home/ubuntu/cricbuzz-docker-hello-world

# Create docker-compose.yml
```

```
cat <<'COMPOSE' > docker-compose.yml
```

```
services:
```

```
cricbuzz-app:
```

```
build: .
```

```
container_name: cricbuzz-app
```

```
ports:
```

```
- "8000:8080"
```

```
restart: always
```

```
COMPOSE
```

```
/usr/local/bin/docker-compose up --build -d
```

```
apt install -y nginx
```

```
rm -f /etc/nginx/sites-enabled/default
```

```
cat <<'NGINXCONF' > /etc/nginx/sites-available/reverse-  
proxy
```

```
server {
```

```
listen 8080;
```

```
location / {
```

```
proxy_pass http://localhost:8000;
```

```
proxy_set_header Host $host;
```

```
proxy_set_header X-Real-IP $remote_addr;
```

```
}
```

```
}
```

NGINXCONF

```
ln -s /etc/nginx/sites-available/reverse-proxy  
/etc/nginx/sites-enabled/reverse-proxy
```

```
systemctl restart nginx
```

USERDATA

```
tags = {
```

```
  Name = "ubuntu-server-task"
```

```
}
```

```
}
```

```
output "public_ip" {
```

```
  value = aws_instance.ubuntu_server.public_ip
```

```
}
```

```
PS C:\Users\Ashish\Desktop\Terraform basics> terraform init
Initializing the backend...
Initializing provider plugins...
- Reusing previous version of hashicorp/aws from the dependency lock file
- Using previously-installed hashicorp/aws v6.22.0

Terraform has been successfully initialized!

You may now begin working with Terraform. Try running "terraform plan" to see
any changes that are required for your infrastructure. All Terraform commands
should now work.

If you ever set or change modules or backend configuration for Terraform,
rerun this command to reinitialize your working directory. If you forget, other
commands will detect it and remind you to do so if necessary.
PS C:\Users\Ashish\Desktop\Terraform basics> terraform apply
aws_security_group.web_sg: Refreshing state... [id=sg-0d5ea5f1e72590e96]
aws_instance.ubuntu_server: Refreshing state... [id=i-0e7c85b694f8e0e6e]
```

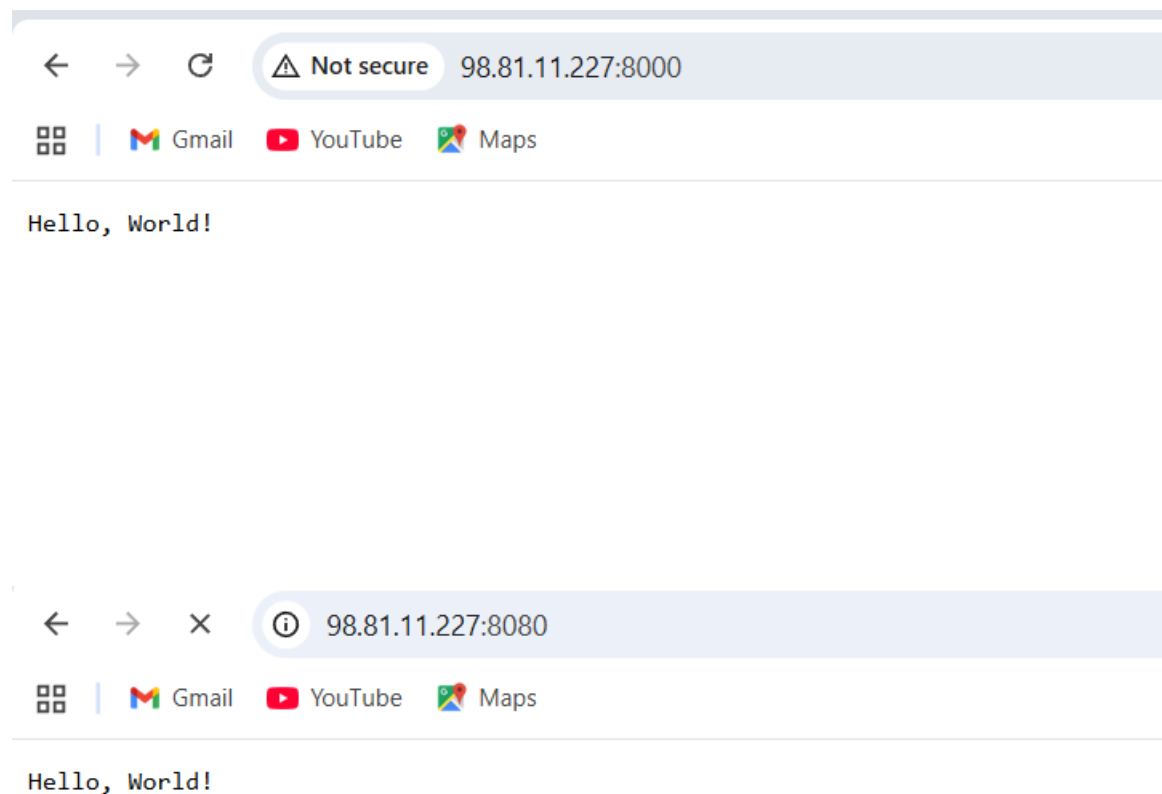
Terraform will perform the actions described above.
Only 'yes' will be accepted to approve.

Enter a value: yes

```
aws_instance.ubuntu_server: Modifying... [id=i-0e7c85b694f8e0e6e]
aws_instance.ubuntu_server: Still modifying... [id=i-0e7c85b694f8e0e6e, 00m10s elapsed]
aws_instance.ubuntu_server: Still modifying... [id=i-0e7c85b694f8e0e6e, 00m20s elapsed]
aws_instance.ubuntu_server: Still modifying... [id=i-0e7c85b694f8e0e6e, 00m30s elapsed]
aws_instance.ubuntu_server: Still modifying... [id=i-0e7c85b694f8e0e6e, 00m40s elapsed]
aws_instance.ubuntu_server: Still modifying... [id=i-0e7c85b694f8e0e6e, 00m50s elapsed]
aws_instance.ubuntu_server: Modifications complete after 1m0s [id=i-0e7c85b694f8e0e6e]
```

Apply complete! Resources: 0 added, 1 changed, 0 destroyed.

If you type port number it will be redirected to docker webserver.



5. Configure to Save the Logs in the location /var/log/cb.log

This was the script in main.tf

```
provider "aws" {  
    region = "us-east-1"  
}  
  
resource "aws_security_group" "web_sg" {  
    name      = "webserver-sg"  
    description = "Allow SSH and port 8000"  
    vpc_id    = "vpc-06cf45eaab13624fe"  
  
    ingress {  
        from_port = 22  
        to_port   = 22  
        protocol  = "tcp"  
        cidr_blocks = ["0.0.0.0/0"]  
    }  
  
    ingress {  
        from_port = 8000  
        to_port   = 8000
```

```
protocol = "tcp"
cidr_blocks = ["0.0.0.0/0"]
}
```

```
egress {
  from_port = 0
  to_port = 0
  protocol = "-1"
  cidr_blocks = ["0.0.0.0/0"]
}
}
```

```
resource "aws_instance" "ubuntu_server" {
  ami = "ami-0ecb62995f68bb549"
  instance_type = "t3.micro"
  subnet_id = "subnet-0a192382de0e2bf6a"
  associate_public_ip_address = true
  vpc_security_group_ids =
[aws_security_group.web_sg.id]

  user_data = <<-USERDATA
```

```
#!/bin/bash
```

```
set -e
```

```
apt update -y
```

```
apt install -y docker.io git
```

```
systemctl enable docker
```

```
systemctl start docker
```

```
curl -SL
```

```
"https://github.com/docker/compose/releases/latest/download/docker-compose-$(uname -s)-$(uname -m)" \
```

```
-o /usr/local/bin/docker-compose
```

```
chmod +x /usr/local/bin/docker-compose
```

```
cd /home/ubuntu
```

```
git clone https://github.com/mujaheed00/cricbuzz-docker-hello-world.git
```

```
cd cricbuzz-docker-hello-world
```

```
chown -R ubuntu:ubuntu /home/ubuntu/cricbuzz-docker-hello-world
```

```
cat << 'EOF' > docker-compose.yml
```

services:

cricbuzz-app:

build: .

container_name: cricbuzz-app

ports:

- "8000:8080"

restart: always

EOF

Start the Docker container

/usr/local/bin/docker-compose up --build -d

#####

SAVE DOCKER LOGS → /var/log/cb.log

#####

mkdir -p /var/log

touch /var/log/cb.log

chmod 666 /var/log/cb.log

cat << 'SERVICE' > /etc/systemd/system/cb-log.service

[Unit]

Description=Cricbuzz Docker Log Saver

After=docker.service

[Service]

Type=simple

**ExecStart=/bin/bash -c "/usr/bin/docker logs -f cricbuzz-app
>> /var/log/cb.log 2>&1"**

Restart=always

[Install]

WantedBy=multi-user.target

SERVICE

systemctl daemon-reload

systemctl enable cb-log.service

systemctl start cb-log.service

USERDATA

tags = {

Name = "ubuntu-server-task"

```
}  
  
}
```

```
output "public_ip" {
```

```
    value = aws_instance.ubuntu_server.public_ip
```

```
}
```

```
PS C:\Users\Ashish\Desktop\Terraform basics> terraform apply  
aws_security_group.web_sg: Refreshing state... [id=sg-0d5ea5f1e72590e96]  
aws_instance.ubuntu_server: Refreshing state... [id=i-07f3c7730bb24226e]  
  
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:  
~ update in-place  
  
Terraform will perform the following actions:  
  
# aws_instance.ubuntu_server will be updated in-place  
~ resource "aws_instance" "ubuntu_server" {  
    id = "i-07f3c7730bb24226e"  
    ~ public_dns = "ec2-3-94-6-224.compute-1.amazonaws.com" -> (known after apply)  
    ~ public_ip = "3.94.6.224" -> (known after apply)  
    tags = {  
        "Name" = "ubuntu-server-task"  
    }  
    ~ user_data = <<EOT  
        #!/bin/bash
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Enter a value: yes

```
aws_instance.ubuntu_server: Modifying... [id=i-07f3c7730bb24226e]  
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 00m10s elapsed]  
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 00m20s elapsed]  
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 00m30s elapsed]  
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 00m40s elapsed]  
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 00m50s elapsed]  
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 01m00s elapsed]  
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 01m10s elapsed]  
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 01m20s elapsed]  
aws_instance.ubuntu_server: Modifications complete after 1m29s [id=i-07f3c7730bb24226e]
```

Apply complete! Resources: 0 added, 1 changed, 0 destroyed.

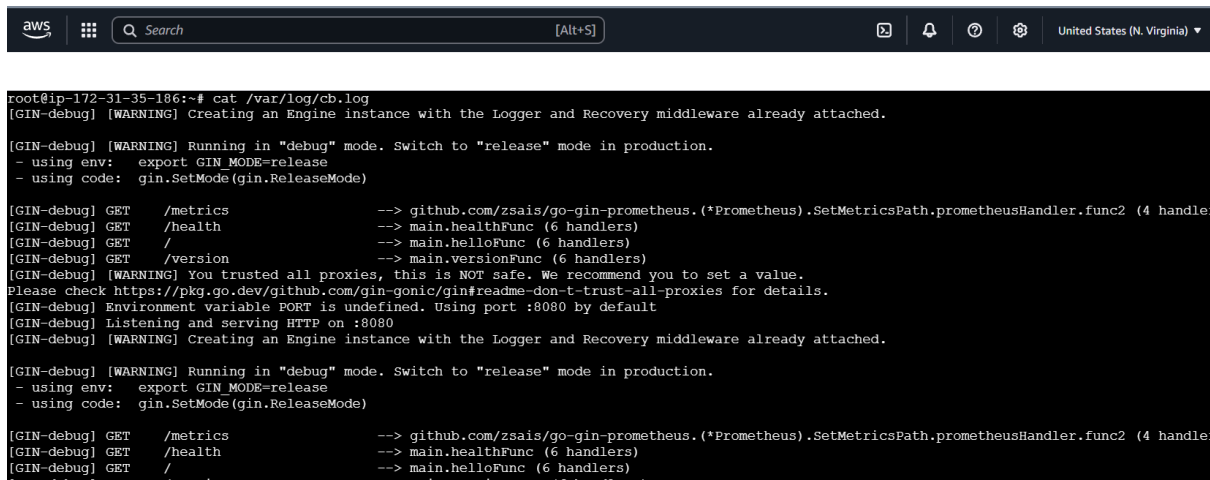
Outputs:

```
public_ip = "98.85.224.222"
```

```
PS C:\Users\Ashish\Desktop\Terraform basics> █
```

Login into ec2

- `/var/log/cb.log`



```
root@ip-172-31-35-186:~# cat /var/log/cb.log
[GIN-debug] [WARNING] Creating an Engine instance with the Logger and Recovery middleware already attached.
[GIN-debug] [WARNING] Running in "debug" mode. Switch to "release" mode in production.
- using env:   export GIN_MODE=release
- using code:  gin.SetMode(gin.ReleaseMode)
[GIN-debug] GET    /metrics          --> github.com/zsais/go-gin-prometheus.(*Prometheus).SetMetricsPath.prometheusHandler.func2 (4 handlers)
[GIN-debug] GET    /health           --> main.healthFunc (6 handlers)
[GIN-debug] GET    /                 --> main.helloFunc (6 handlers)
[GIN-debug] GET    /version          --> main.versionFunc (6 handlers)
[GIN-debug] [WARNING] You trusted all proxies, this is NOT safe. We recommend you to set a value.
Please check https://pkg.go.dev/github.com/gin-gonic/gin#readme-don-t-trust-all-proxies for details.
[GIN-debug] Environment variable PORT is undefined. Using port :8080 by default
[GIN-debug] Listening and serving HTTP on :8080
[GIN-debug] [WARNING] Creating an Engine instance with the Logger and Recovery middleware already attached.
[GIN-debug] [WARNING] Running in "debug" mode. Switch to "release" mode in production.
- using env:   export GIN_MODE=release
- using code:  gin.SetMode(gin.ReleaseMode)
[GIN-debug] GET    /metrics          --> github.com/zsais/go-gin-prometheus.(*Prometheus).SetMetricsPath.prometheusHandler.func2 (4 handlers)
[GIN-debug] GET    /health           --> main.healthFunc (6 handlers)
[GIN-debug] GET    /                 --> main.helloFunc (6 handlers)
[GIN-debug] GET    /version          --> main.versionFunc (6 handlers)
```

6. Write the Log rotate configuration for the above file

Give this in your user data

LOGROTATE CONFIGURATION

#####

```
cat << 'EOF' > /etc/logrotate.d/cb-log
```

```
/var/log/cb.log {
```

```
    daily
```

```
    rotate 7
```

```
    compress
```

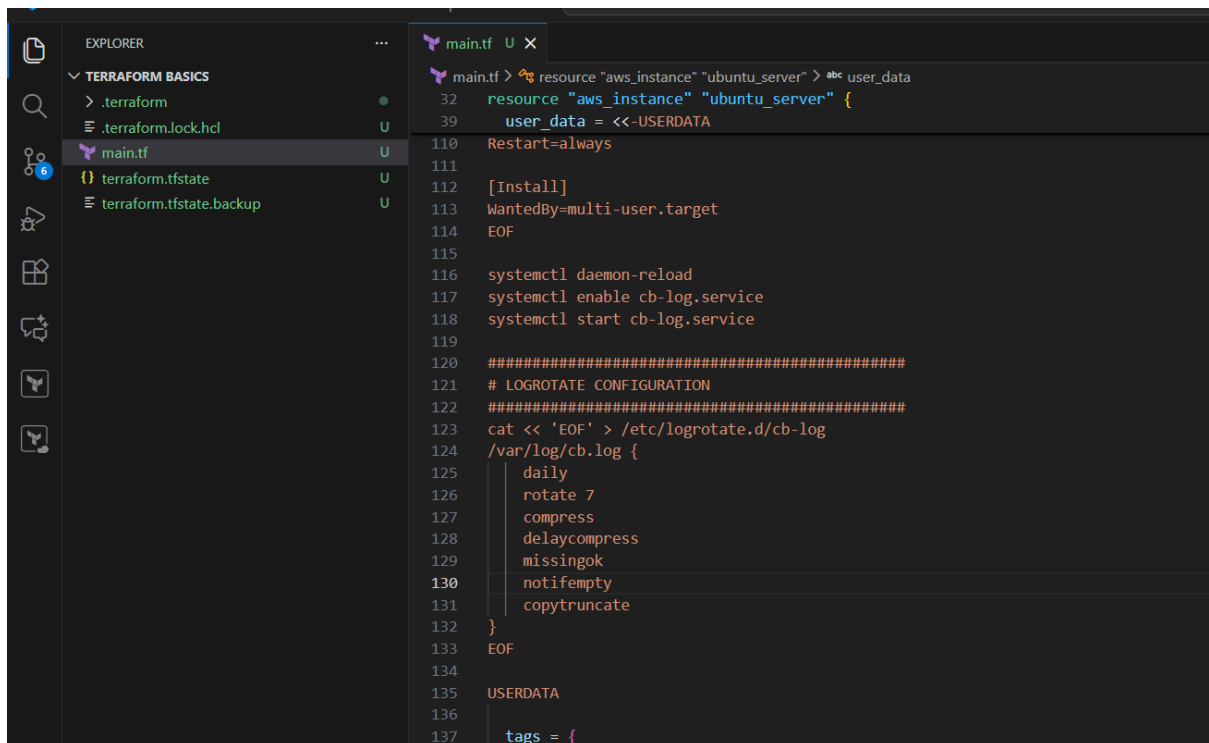
```
    delaycompress
```

```
    missingok
```

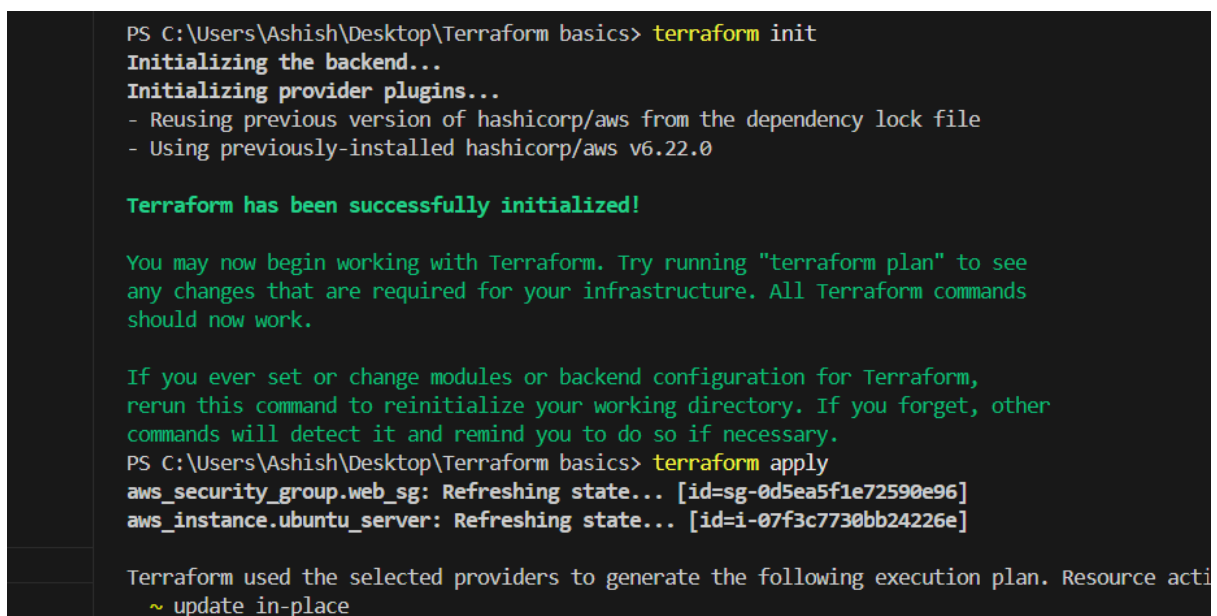
```
    notifempty
```

copytruncate

}



```
main.tf
32 resource "aws_instance" "ubuntu_server" {
39   user_data = <<-USERDATA
110   Restart=always
111
112   [Install]
113   WantedBy=multi-user.target
114   EOF
115
116   systemctl daemon-reload
117   systemctl enable cb-log.service
118   systemctl start cb-log.service
119
120   #####
121   # LOGROTATE CONFIGURATION
122   #####
123   cat << 'EOF' > /etc/logrotate.d/cb-log
124   /var/log/cb.log {
125       |   daily
126       |   rotate 7
127       |   compress
128       |   delaycompress
129       |   missingok
130       |   notifempty
131       |   copytruncate
132   }
133   EOF
134
135   USERDATA
136
137   tags = {
```



```
PS C:\Users\Ashish\Desktop\Terraform basics> terraform init
Initializing the backend...
Initializing provider plugins...
- Reusing previous version of hashicorp/aws from the dependency lock file
- Using previously-installed hashicorp/aws v6.22.0

Terraform has been successfully initialized!

You may now begin working with Terraform. Try running "terraform plan" to see
any changes that are required for your infrastructure. All Terraform commands
should now work.

If you ever set or change modules or backend configuration for Terraform,
rerun this command to reinitialize your working directory. If you forget, other
commands will detect it and remind you to do so if necessary.
PS C:\Users\Ashish\Desktop\Terraform basics> terraform apply
aws_security_group.web_sg: Refreshing state... [id=sg-0d5ea5f1e72590e96]
aws_instance.ubuntu_server: Refreshing state... [id=i-07f3c7730bb24226e]

Terraform used the selected providers to generate the following execution plan. Resource acti
~ update in-place
```

```
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 00m40s elapsed]
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 00m20s elapsed]
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 00m30s elapsed]
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 00m40s elapsed]
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 00m30s elapsed]
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 00m40s elapsed]
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 00m40s elapsed]
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 00m50s elapsed]
aws_instance.ubuntu_server: Modifications complete after 59s [id=i-07f3c7730bb24226e]
aws_instance.ubuntu_server: Still modifying... [id=i-07f3c7730bb24226e, 00m50s elapsed]
aws_instance.ubuntu_server: Modifications complete after 59s [id=i-07f3c7730bb24226e]
aws_instance.ubuntu_server: Modifications complete after 59s [id=i-07f3c7730bb24226e]
```

Apply complete! Resources: 0 added, 1 changed, 0 destroyed.

Outputs:

public_ip = "13.217.87.105"

PS C:\Users\Ashish\Desktop\Terraform basics> █

login to ssh and

- `ls -lh /var/log/cb.log`

```
root@ip-172-31-35-186:~# ls -lh /var/log/cb.log*
-rw-r--r-- 1 root root 5.9K Nov 21 15:02 /var/log/cb.log
root@ip-172-31-35-186:~# █
```