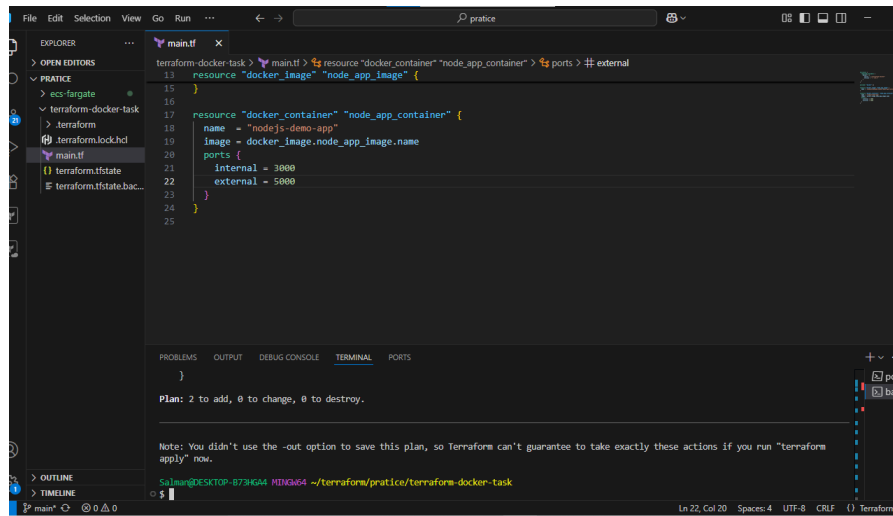


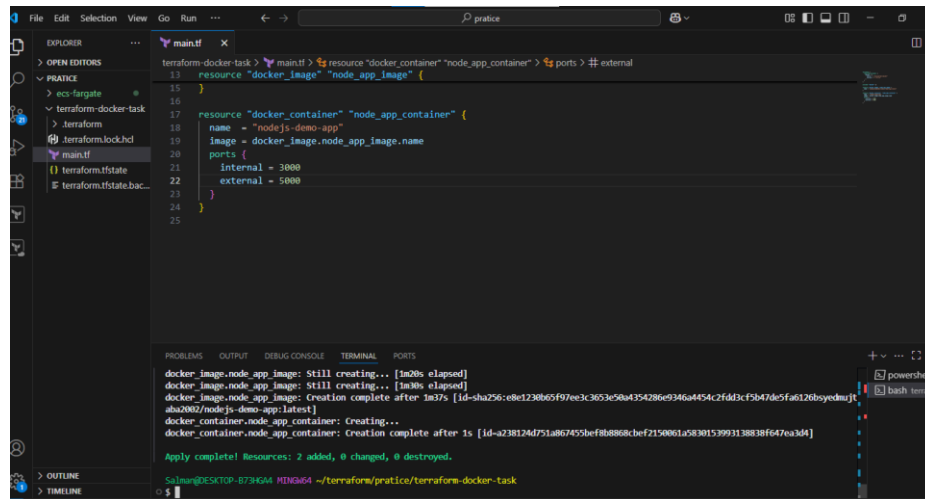
### 1) Run terraform plan



The screenshot shows a VS Code editor with a file named `main.tf` containing Terraform configuration for a Docker container. The configuration includes a resource `docker_image` and a resource `docker_container`. The `docker_container` resource is configured with `name = "nodejs-demo-app"`, `image = docker_image.node_app_image.name`, and ports `internal = 3000` and `external = 5000`. The terminal output shows the command `terraform plan` being executed, resulting in a plan to add 2 resources, with 0 changes and 0 resources to be destroyed. A note at the bottom states: "Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if you run 'terraform apply' now."

```
File Edit Selection View Go Run ...  
main.tf X  
terraform-docker-task > main.tf > resource "docker_container" "node_app_container" > ports > ## external  
13 resource "docker_image" "node_app_image" {  
14 }  
15 }  
16  
17 resource "docker_container" "node_app_container" {  
18   name = "nodejs-demo-app"  
19   image = docker_image.node_app_image.name  
20   ports {  
21     internal = 3000  
22     external = 5000  
23   }  
24 }  
25  
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS  
Plans: 2 to add, 0 to change, 0 to destroy.  
Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if you run "terraform apply" now.  
Salwan@DESKTOP-B73KGA4 MINGW64 ~/terraform/practice/terraform-docker-task  
$ terraform plan  
terraform plan  
terraform plan
```

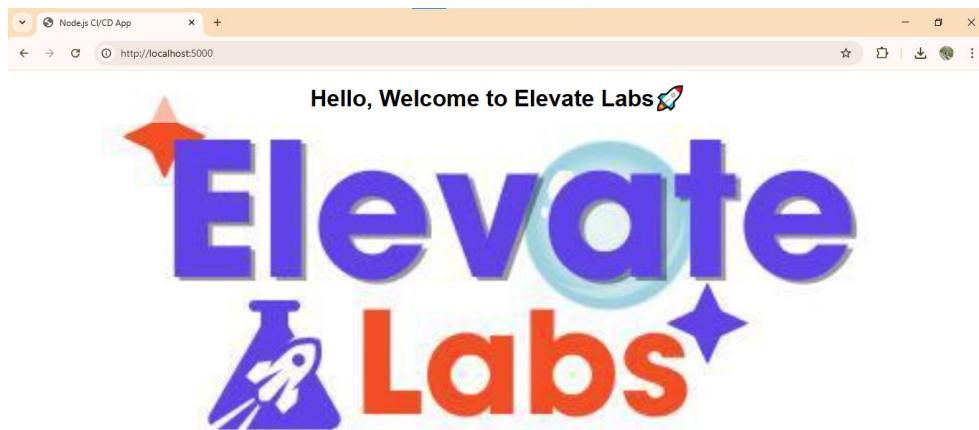
### 2) Run terraform apply -auto-approve



The screenshot shows the same VS Code editor with the `main.tf` file. The terminal output shows the command `terraform apply -auto-approve` being executed. The output displays the progress of creating the `docker_image` and `docker_container` resources. The `docker_image` resource is created successfully after 1m37s. The `docker_container` resource is created successfully after 1s. The final output shows: "Apply complete! Resources: 2 added, 0 changed, 0 destroyed."

```
File Edit Selection View Go Run ...  
main.tf X  
terraform-docker-task > main.tf > resource "docker_container" "node_app_container" > ports > ## external  
13 resource "docker_image" "node_app_image" {  
14 }  
15 }  
16  
17 resource "docker_container" "node_app_container" {  
18   name = "nodejs-demo-app"  
19   image = docker_image.node_app_image.name  
20   ports {  
21     internal = 3000  
22     external = 5000  
23   }  
24 }  
25  
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS  
docker_image.node_app_image: Still creating... [1m20s elapsed]  
docker_image.node_app_image: Still creating... [1m30s elapsed]  
docker_image.node_app_image: Creation complete after 1m37s [id=a238126d731a867455bef88868cbe2150061a5830153993138838f647ea3da]  
docker_container.node_app_container: Creating...  
docker_container.node_app_container: Creation complete after 1s [id=a238126d731a867455bef88868cbe2150061a5830153993138838f647ea3da]  
Apply complete! Resources: 2 added, 0 changed, 0 destroyed.  
Salwan@DESKTOP-B73KGA4 MINGW64 ~/terraform/practice/terraform-docker-task  
$ terraform apply -auto-approve  
terraform apply -auto-approve  
terraform apply -auto-approve
```

### 3) Output



#### 4) terraform state list

```
Salman@DESKTOP-B73HG44 MINGW64 ~/terraform/pratice/terraform-docker-task
$ terraform state list
docker_container.node_app_container
docker_image.node_app_image
```

## 5) Run terraform destroy -auto-approve

