Create a resource group

```
az login -t
az account set --subscription
az group create --name demoDorinRg --location westeurope
```

Steps to Create a Resource Lock for a Resource Group

Azure resource locks provide a way to prevent accidental deletion or modification of resources. Here are the steps to create a resource lock for a resource group in the Azure Portal:

1. **Sign in to Azure Portal**
   a. Navigate to https://portal.azure.com/
   b. Log in with your Azure account.
2. **Select Resource Groups**
   a. In the left-hand navigation pane or the search bar at the top, type and select "Resource groups".
3. **Choose the Desired Resource Group**
   a. From the list of resource groups, click on the one for which you want to create a lock.
4. **Navigate to Locks**
   a. In the resource group blade, under the "Settings" section, click on "Locks".
5. **Add a Lock**
   a. Click on the "+ Add" button at the top of the "Locks" blade.
6. **Configure the Lock**
   a. Lock name: Provide a unique name for your lock.
   b. Lock level: Choose between:
      i. CanNotDelete: This allows users to read and modify the resources but prevents them from deleting the resource group or any resources contained within.
      ii. ReadOnly: This prevents users from modifying or deleting the resource group or any resources within.

iii. Notes (Optional): Provide a description or rationale for the lock. This is especially useful for teams to understand the intent or importance of the lock.
7. **Save the Lock**
    a. Click on the "OK" or "Create" button to create the lock.
8. **Verification**
    a. After you create the lock, you should see it listed in the "Locks" blade for that resource group. This confirms that the lock has been applied to the resource group.

Note:
- Remember that while resource locks can prevent unintentional modification or deletion, they can also lead to confusion or disruption if team members aren't aware of them. Always communicate and document the purpose of resource locks.
- Users need appropriate permissions to create or delete resource locks. The two key permissions related to managing locks are Microsoft.Authorization/locks/write (to create or delete locks) and Microsoft.Authorization/locks/read (to view locks).

Test the Resource lock

1. Navigate to the Bicep Folder
    a. Access the /bicep/ directory.
2. Edit the Parameter File
    a. Open the file /configDev/Lab2.parameters.json.
    b. Modify the value of the "projectName" parameter.
3. Deploy Using Bicep Template

First, ensure you're logged in and have set the correct subscription:

```
az login
az account set --subscription [Your Subscription ID]
```

Then, deploy the storage account using the following command:

```
az deployment group create --resource-group [Your Resource Group Name]
--template-file generic.main.bicep --parameters
./configDev/DevTemplateCoraxRG.parameters.json
```

4. Deploy the template
    a. In the Azure Portal, navigate to your resource group.
    b. Under "Settings", click on the "Deployments" tab.

       c.   Monitor the deployment progress and wait for it to complete.
5. Access the Storage account
       a.   Try to Delete it
6. Modify the storage account
       a.   Create a new table
7. Click on "Save".
8. Review the Outcome
9. Observe the error message (if any) after attempting to save.