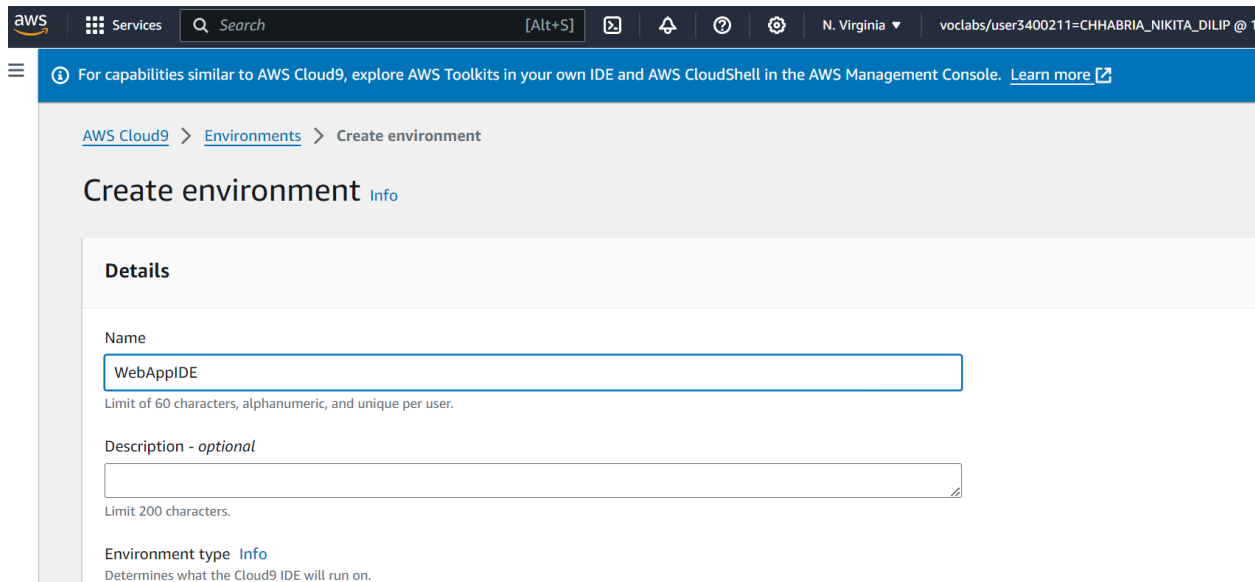**Aim:** To understand the benefits of Cloud Infrastructure and Setup AWS Cloud9 IDE, Launch AWS Cloud9 IDE and Perform Collaboration Demonstration.

Login in to your Aws canva account and search for AWS Cloud9 in services

Select Environment type to be EC2

A few other options depending on your use case and then **Create environment**

The environment is ready

Now, to enable collaboration in cloud environment, we need to add a user group. Only IAM users can be part of this group.

Set permissions

Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. Learn more [↗]

Permissions options

● Add user to group
Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.

○ Copy permissions
Copy all group memberships, attached managed policies, and inline policies from an existing user.

○ Attach policies directly
Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.

**Identity and Access Management (IAM)**   ✕

🔍 Search IAM

Dashboard

▼ Access management

User groups
Users
Roles

IAM > User groups > Create user group

Create user group

Name the group

User group name
Enter a meaningful name to identify this group.

group1

Maximum 128 characters. Use alphanumeric and '+=,.@-_' characters.

Group created without any hassle

Identity and Access Management (IAM)   ✕

🔍 Search IAM

Dashboard

▼ Access management

User groups
Users
Roles

⊘ group1 user group created.   **View group**   ✕

IAM > User groups

User groups (1) Info   ↻   Delete   **Create group**

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.

🔍 Search   ‹ 1 › ⚙

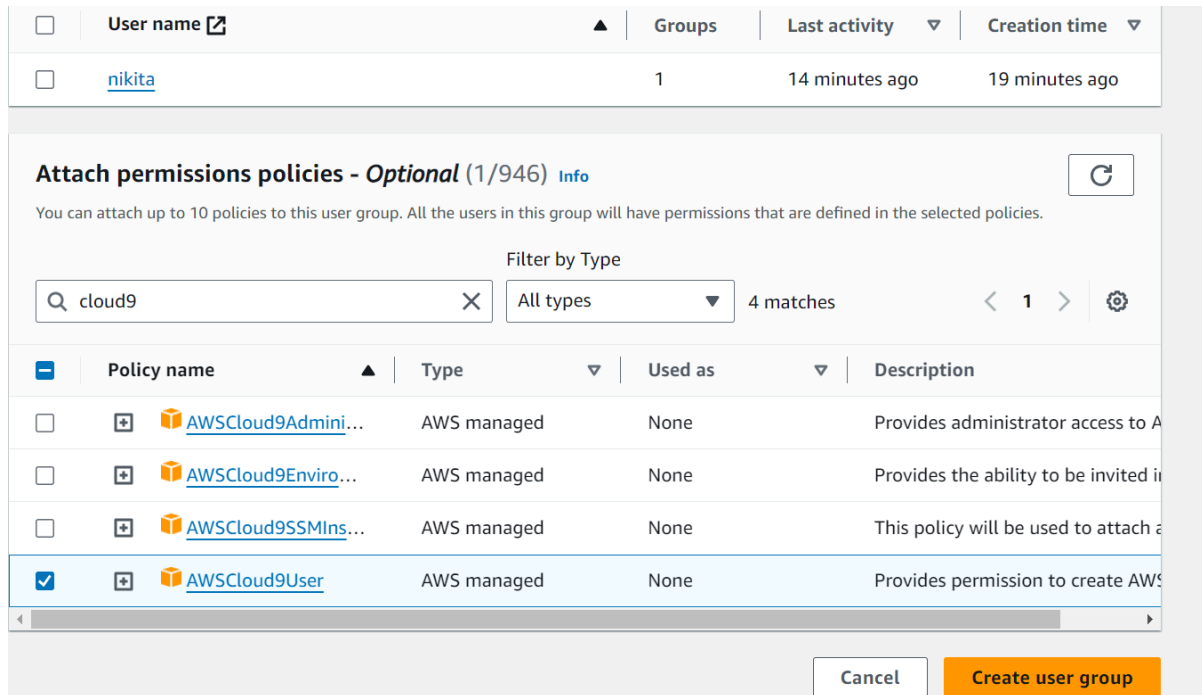| ☐	Group name ▲	Users ▽	Permissions ▽	Creation time ▽
☐	group1	⚠ 0	⚠ Not defined	Now

Now for creating an IAM user, you need to create an account as in the academy you don't the access to create one.
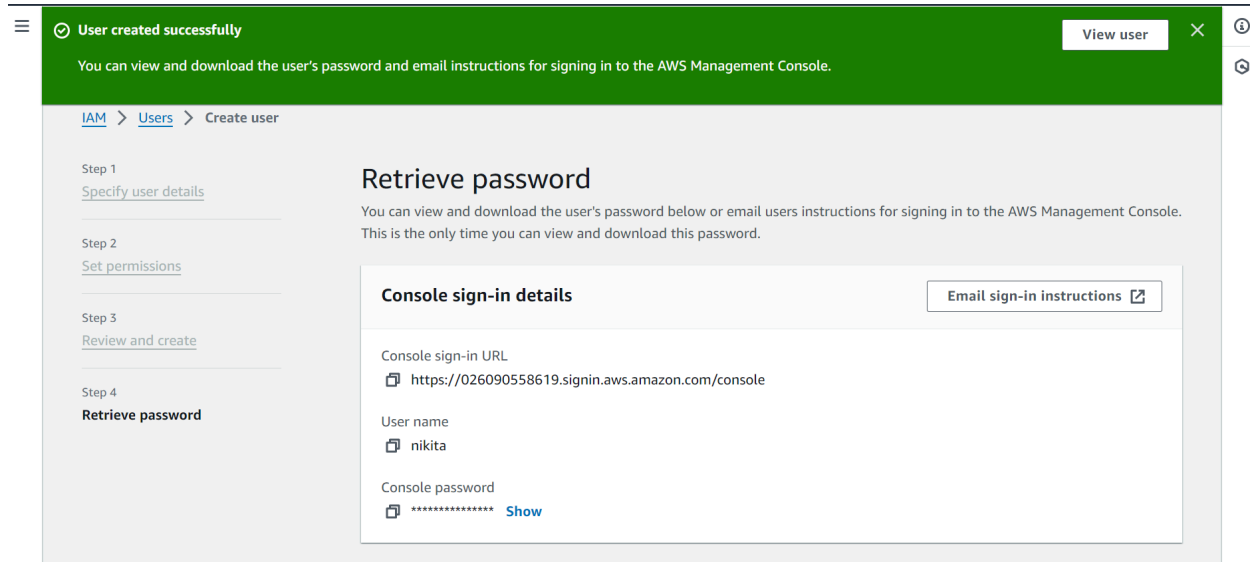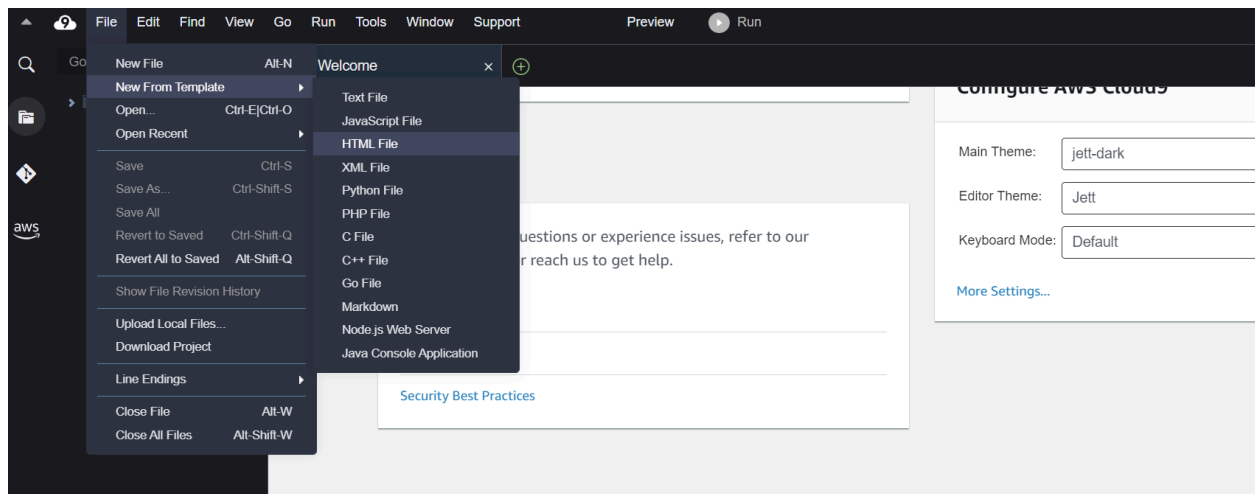
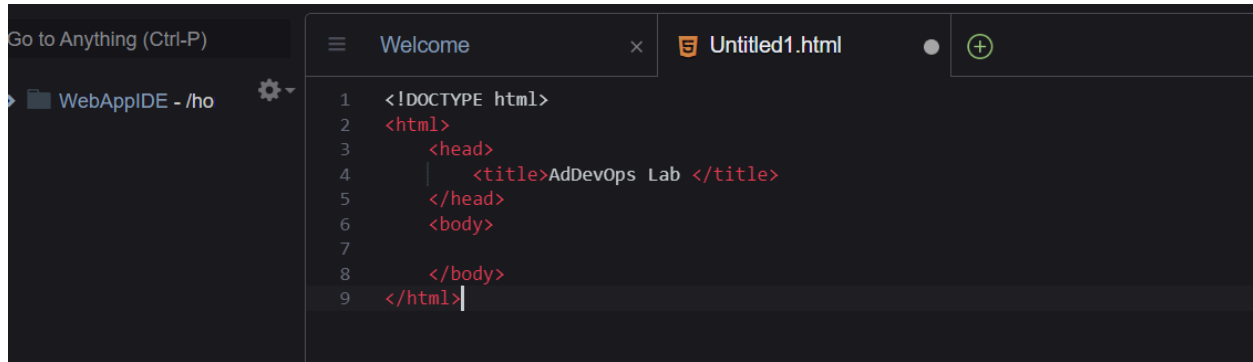Add policies as per your requirement> I've added AWSCloud9 services
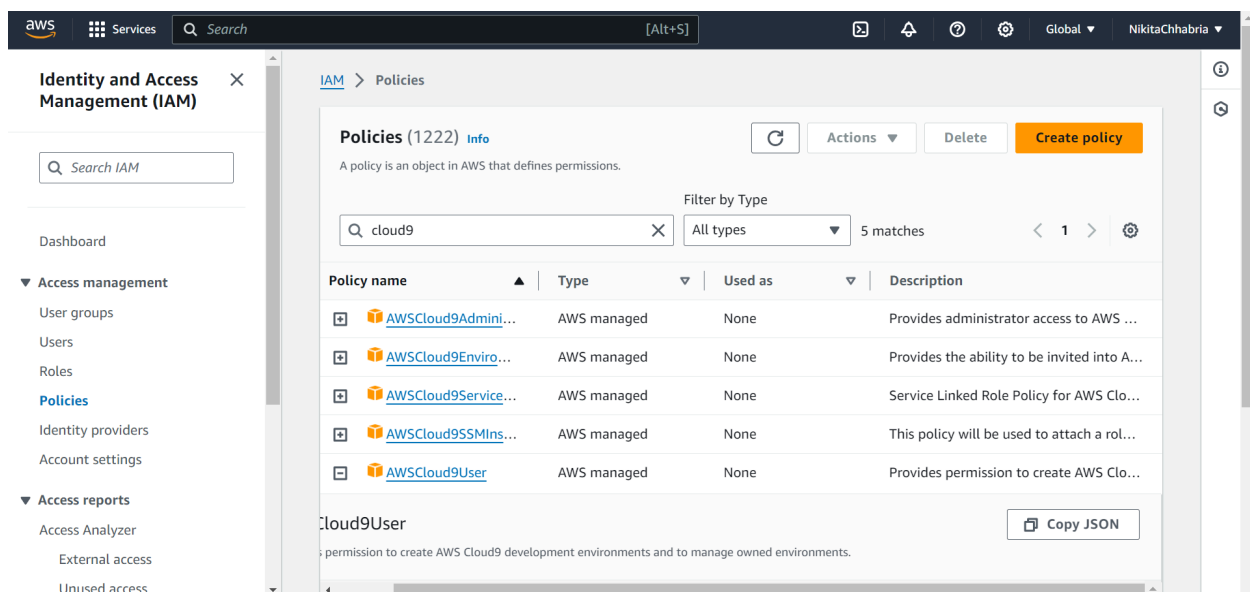
Click on create and done
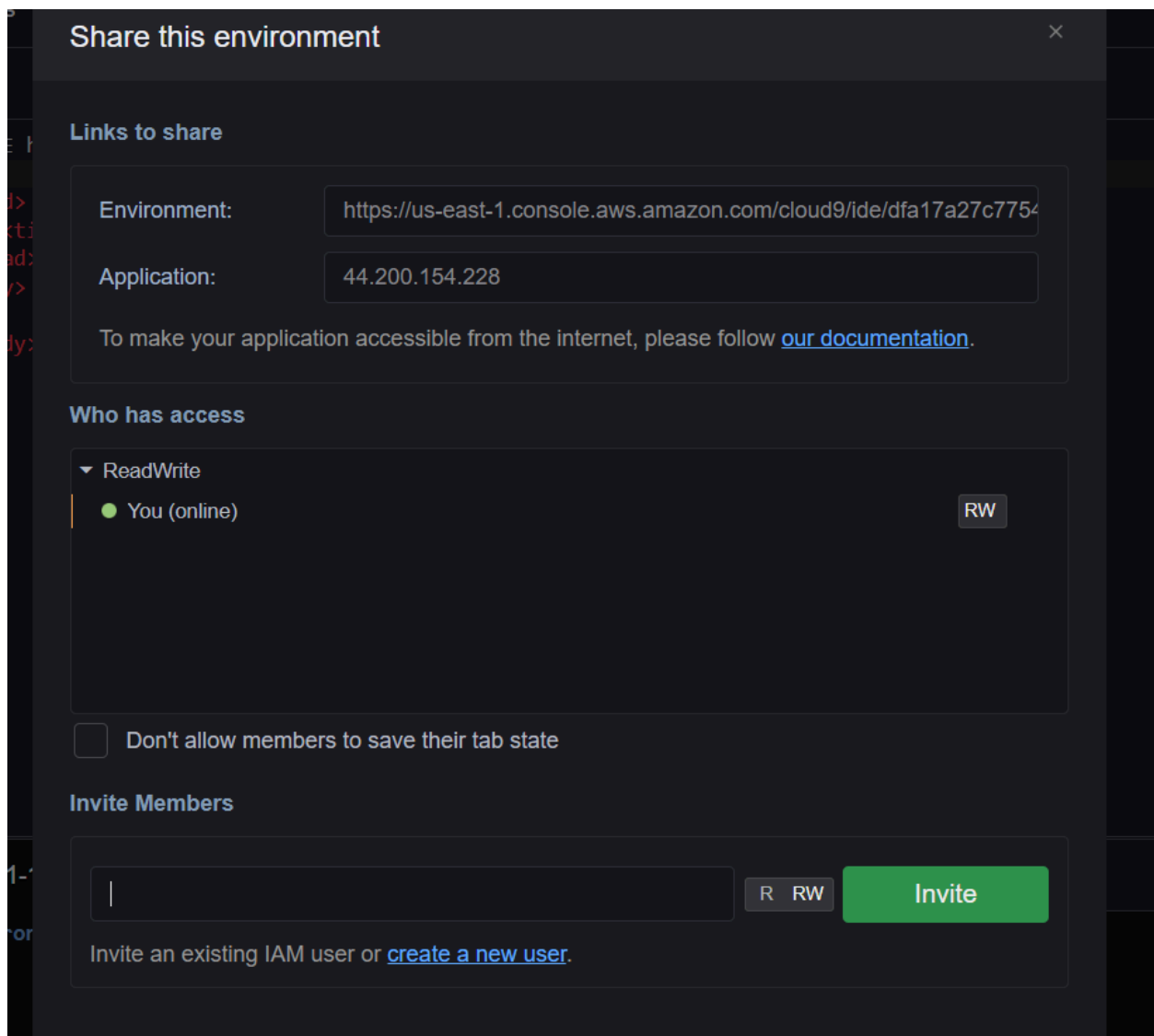
Now, go back to the academy account and deploy your code

Click on share this environment and update the <who can access> section

And done!