LOYALIST COLLEGE
IN TORONTO

In-Class Assignment - 2

Course Code – CLOD1004

Instructor Name – Bhanuteja Somarouthu

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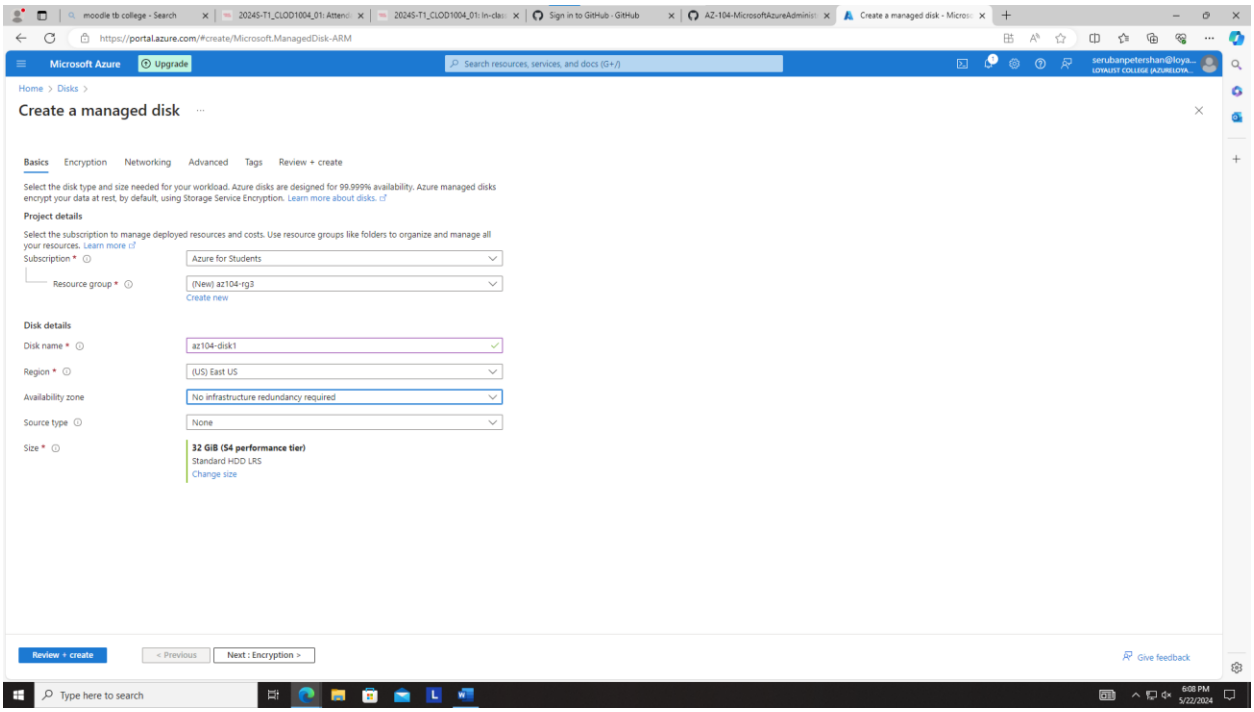
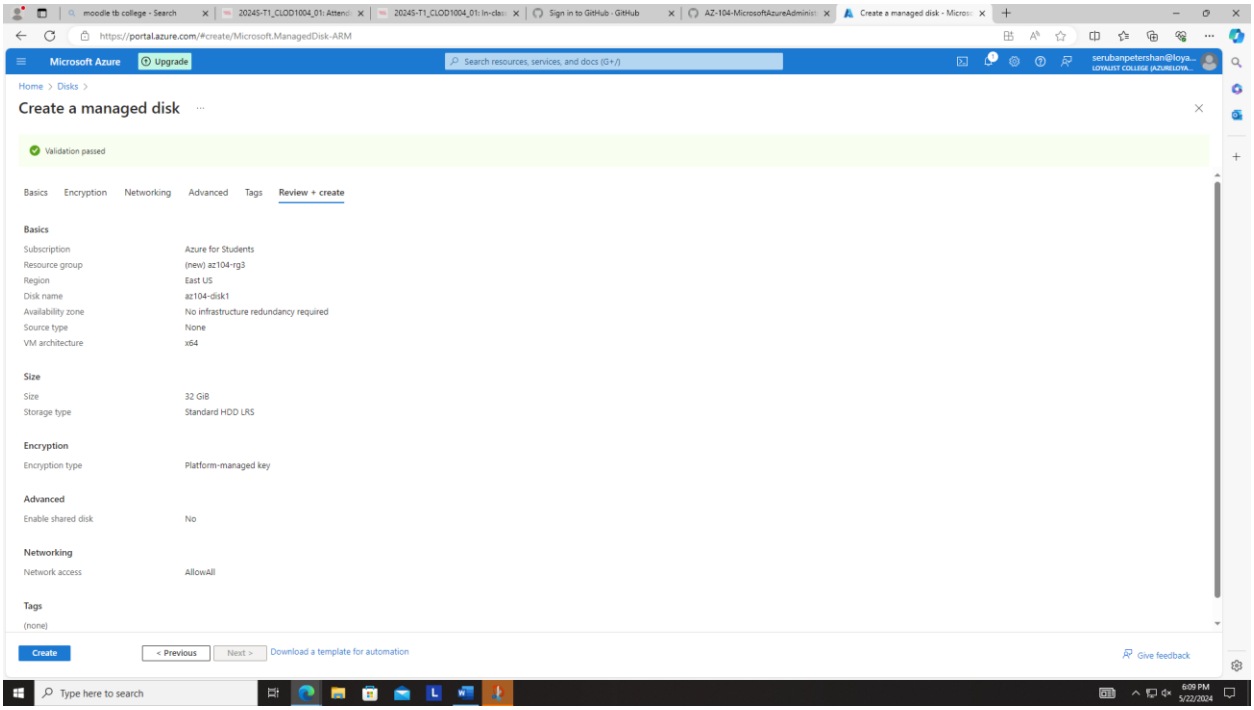
TASK 1

Created a mange disk with 32gb standard with disk name `az104-disk1` With **`No infrastructure redundancy required`** Zone with **East US**





Later when we check the template files we can see the below code

parameter.json

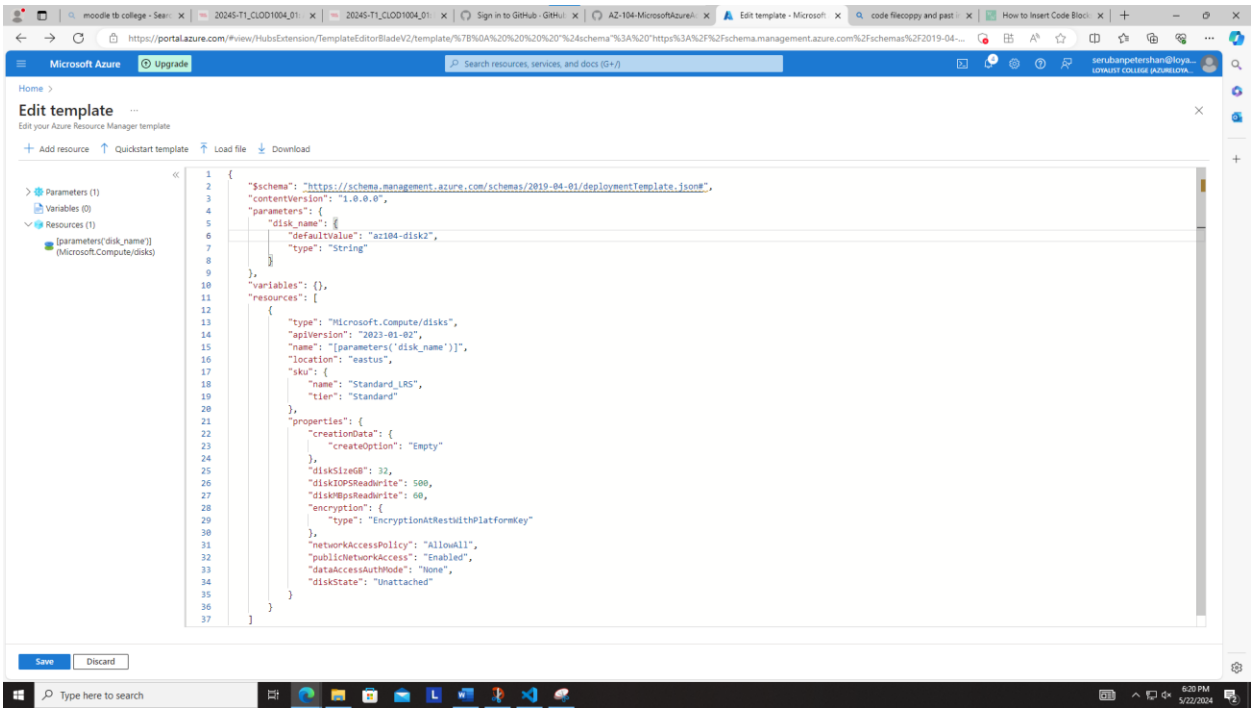
```
{
    "$schema": "https://schema.management.azure.com/schemas/2015-01-
01/deploymentParameters.json#",
    "contentVersion": "1.0.0.0",
    "parameters": {
        "disks_az104_disk1_name": {
            "value": null
        }
    }
}
```

template.json

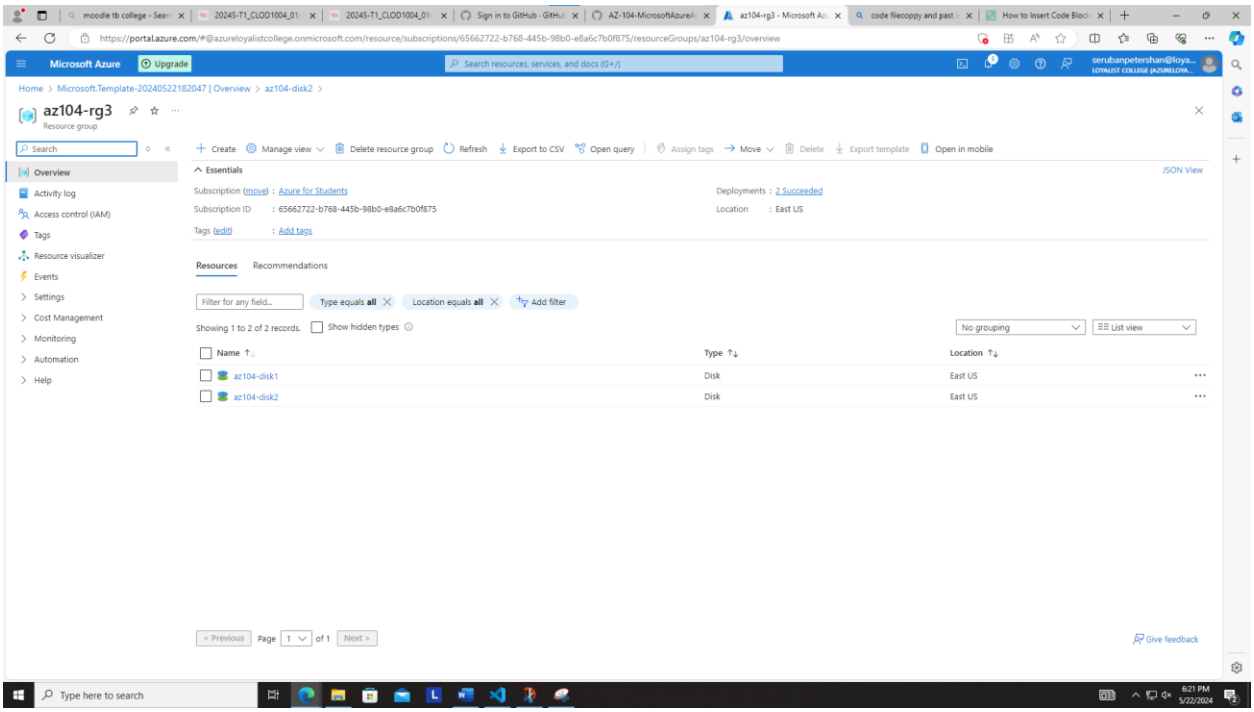
```
{
    "$schema": "https://schema.management.azure.com/schemas/2019-04-
01/deploymentTemplate.json#",
    "contentVersion": "1.0.0.0",
    "parameters": {
        "disks_az104_disk1_name": {
            "defaultValue": "az104-disk1",
            "type": "String"
        }
    },
    "variables": {},
    "resources": [
        {
            "type": "Microsoft.Compute/disks",
            "apiVersion": "2023-01-02",
            "name": "[parameters('disks_az104_disk1_name')]",
            "location": "eastus",
            "sku": {
                "name": "Standard_LRS",
                "tier": "Standard"
            },
            "properties": {
                "creationData": {
                    "createOption": "Empty"
```

```
                },
                "diskSizeGB": 32,
                "diskIOPSReadWrite": 500,
                "diskMBpsReadWrite": 60,
                "encryption": {
                    "type": "EncryptionAtRestWithPlatformKey"
                },
                "networkAccessPolicy": "AllowAll",
                "publicNetworkAccess": "Enabled",
                "dataAccessAuthMode": "None",
                "diskState": "Unattached"
            }
        }
    ]
}
```

Now we want to deploy this with a new name `az104-disk2` on custom deployment so lets go to custom deployment upload the `template.json` later change the name as `az104-disk2`



After it’s created if you check the resource page you will see two disks



And if we look at the new template you will see the changes we made before

```
{
    "$schema": "https://schema.management.azure.com/schemas/2019-04-
01/deploymentTemplate.json#",
    "contentVersion": "1.0.0.0",
    "parameters": {
        "disk_name": {
            "defaultValue": "az104-disk2",
            "type": "String"
        }
    },
    "variables": {},
    "resources": [
        {
            "type": "Microsoft.Compute/disks",
            "apiVersion": "2023-01-02",
            "name": "[parameters('disk_name')]",
            "location": "eastus",
            "sku": {
                "name": "Standard_LRS",
                "tier": "Standard"
```

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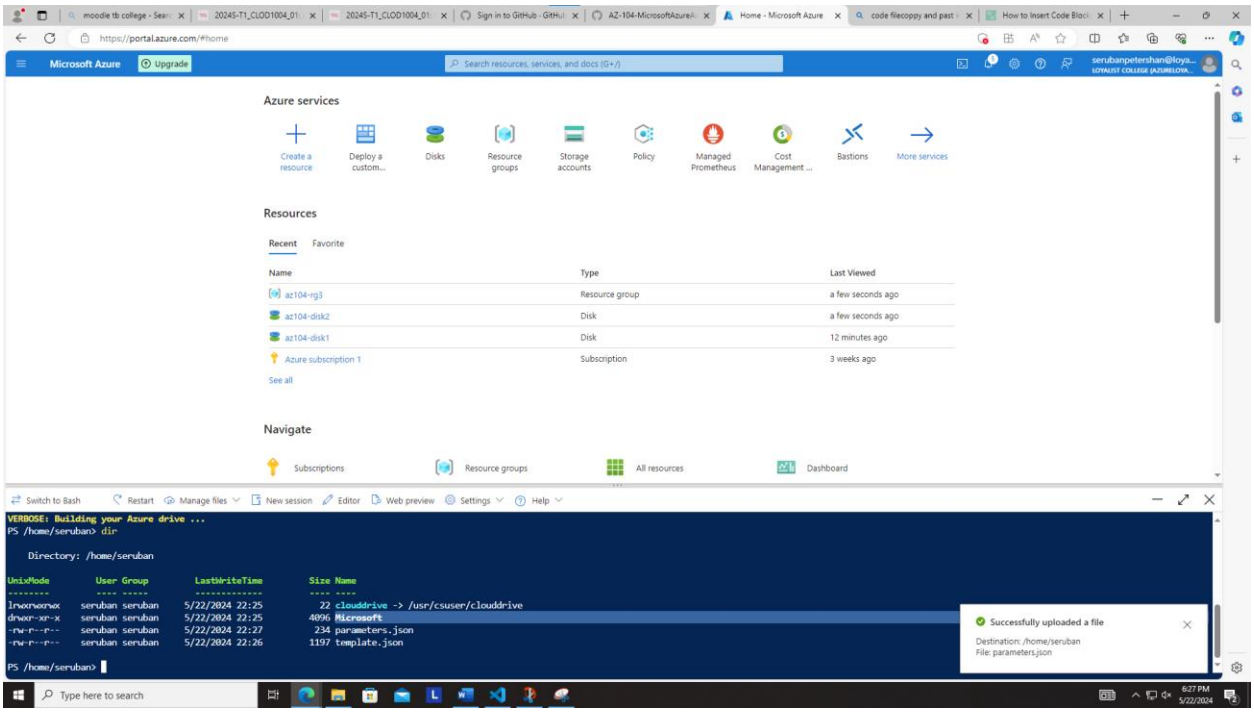
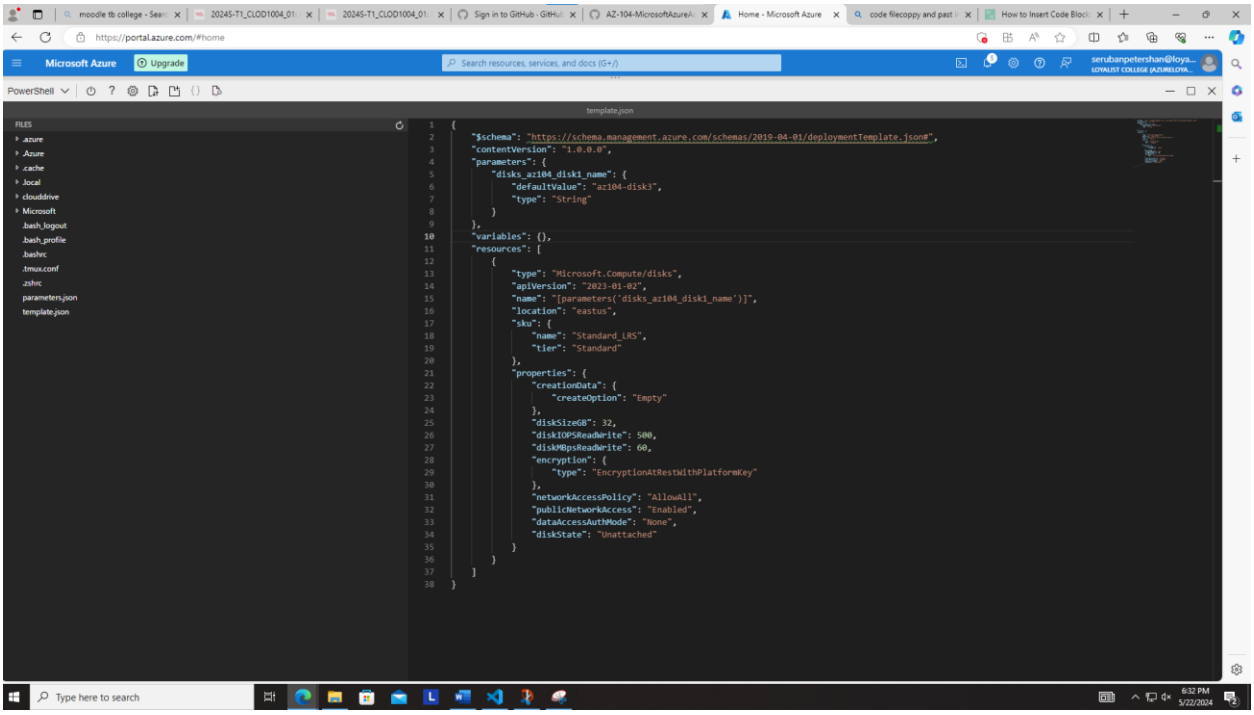
```
            },
            "properties": {
                "creationData": {
                    "createOption": "Empty"
                },
                "diskSizeGB": 32,
                "diskIOPSReadWrite": 500,
                "diskMBpsReadWrite": 60,
                "encryption": {
                    "type": "EncryptionAtRestWithPlatformKey"
                },
                "networkAccessPolicy": "AllowAll",
                "publicNetworkAccess": "Enabled",
                "dataAccessAuthMode": "None",
                "diskState": "Unattached"
            }
        }
    ]
}
```

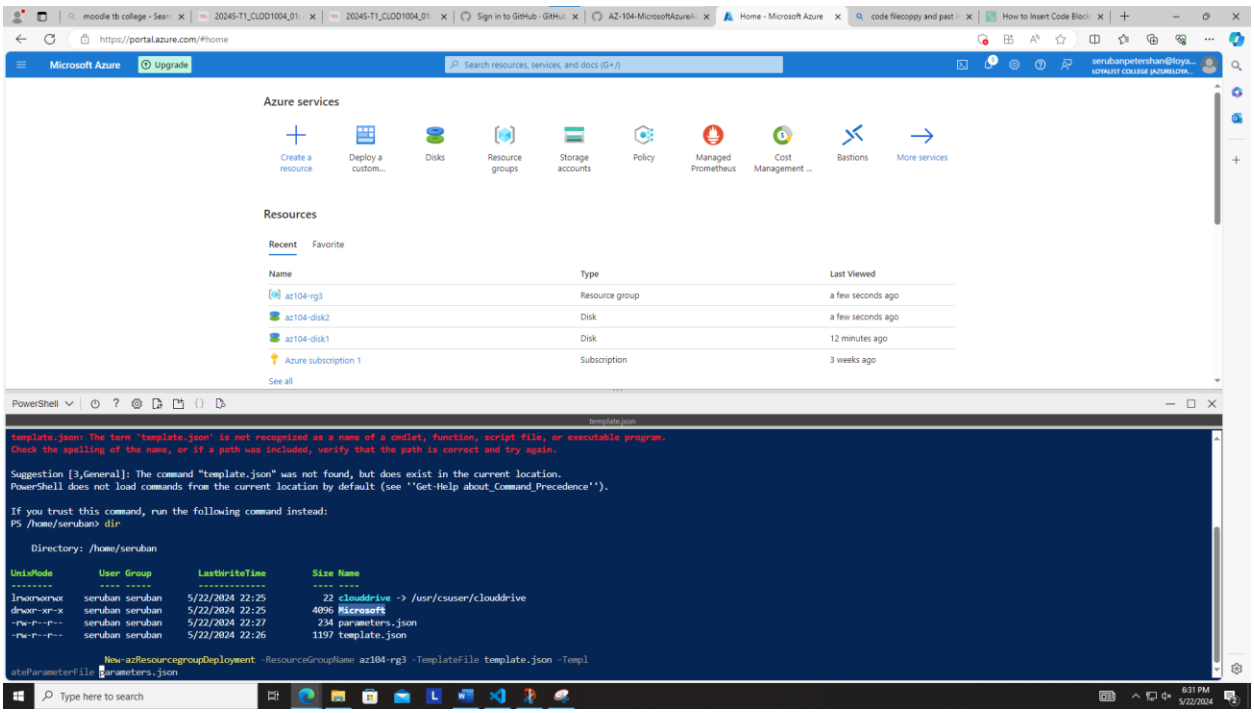
After creating Cloudshell and use Powershell as CLI we upload **parameter.json** and **template.json** and when you type dir you will see those two files in your power shell



Now to add a 3rd disk we are going to edit through cloud shell editor and change the disk name to `az104-disk3`



Now we shall type the PowerShell azure code to create using the template and parameter file



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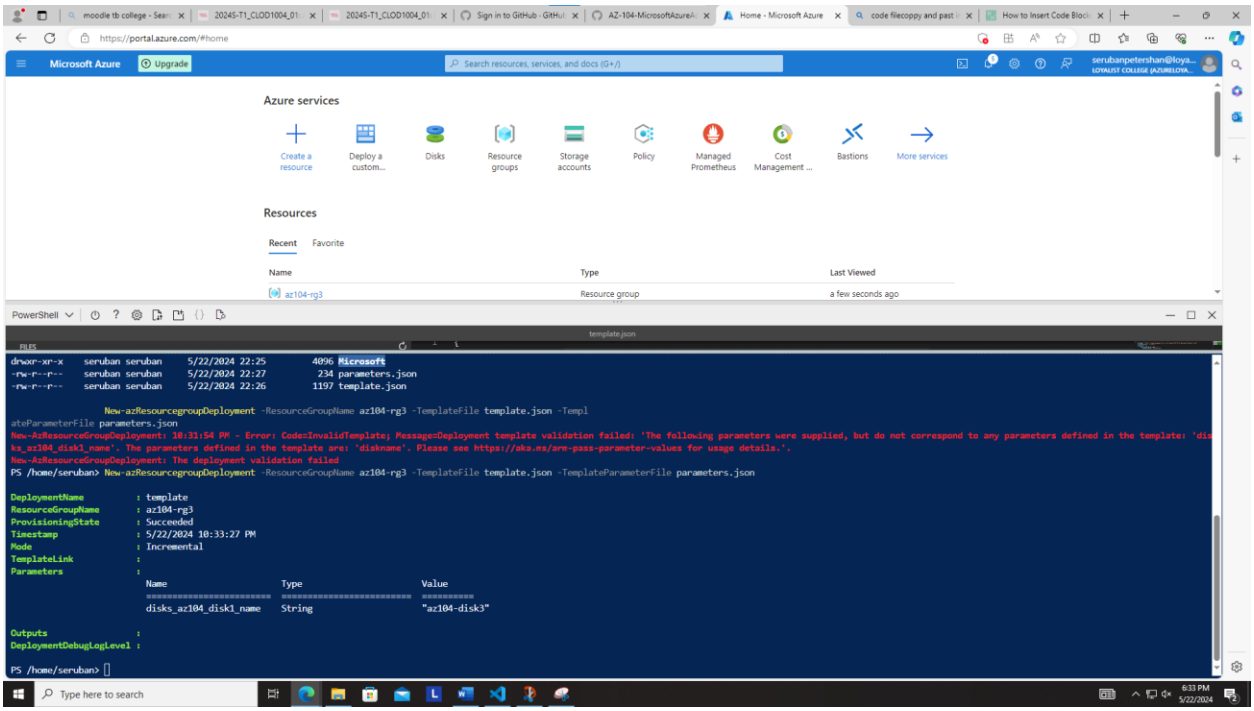
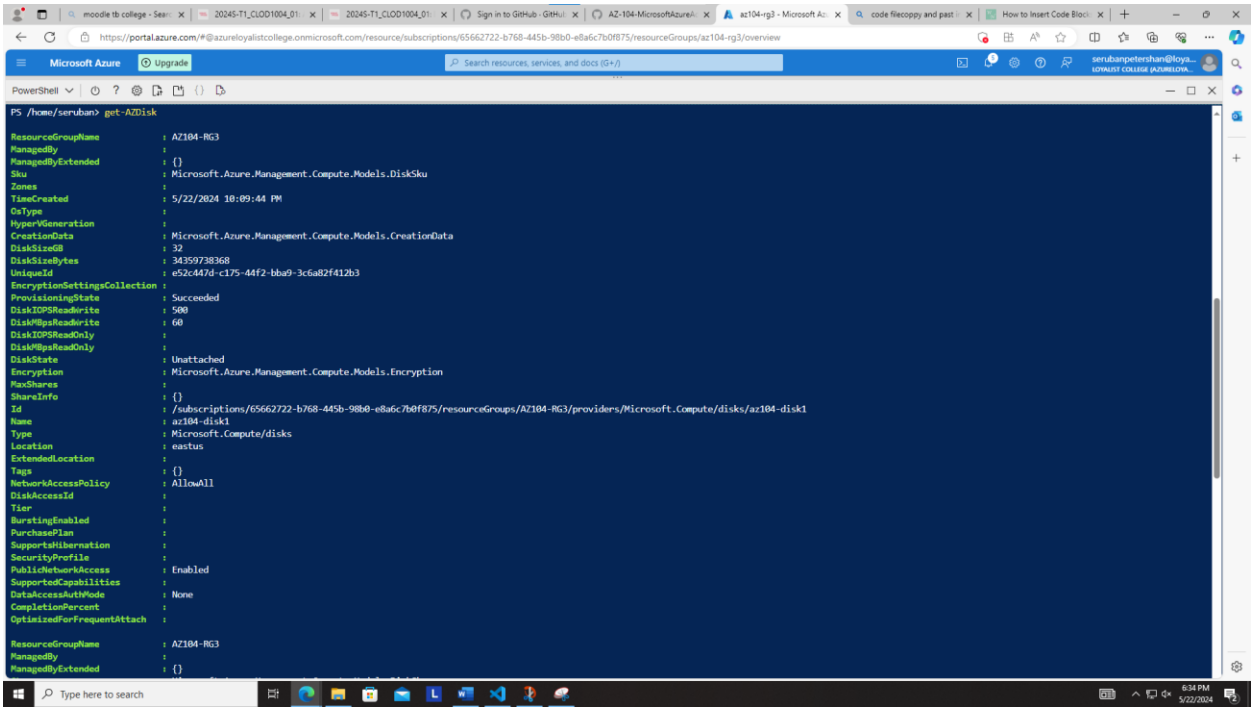
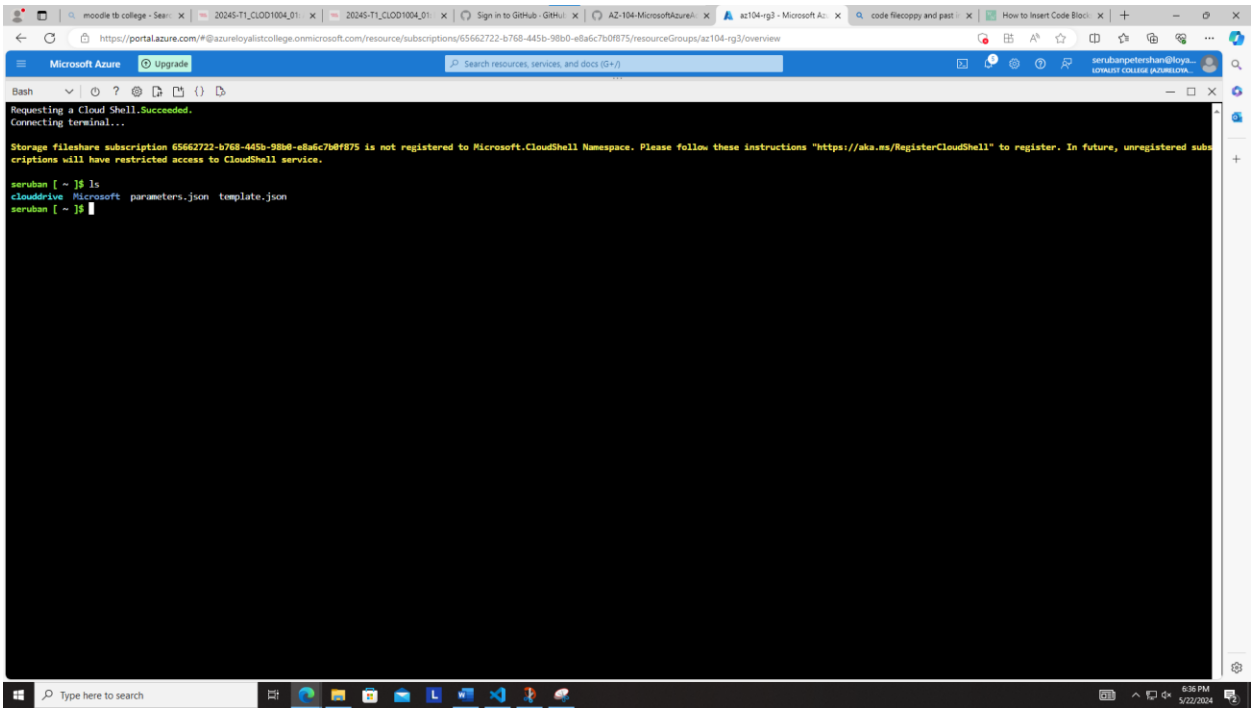


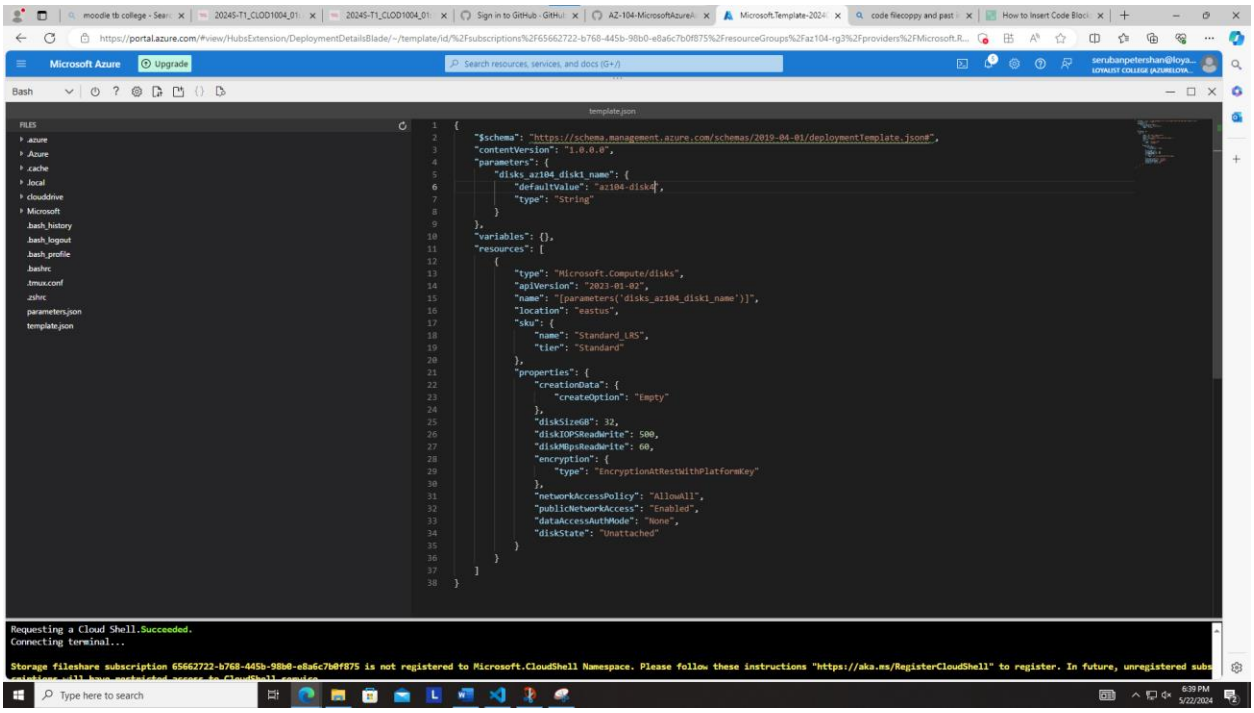
When we type get -AZDisk we will get the new disk name if available



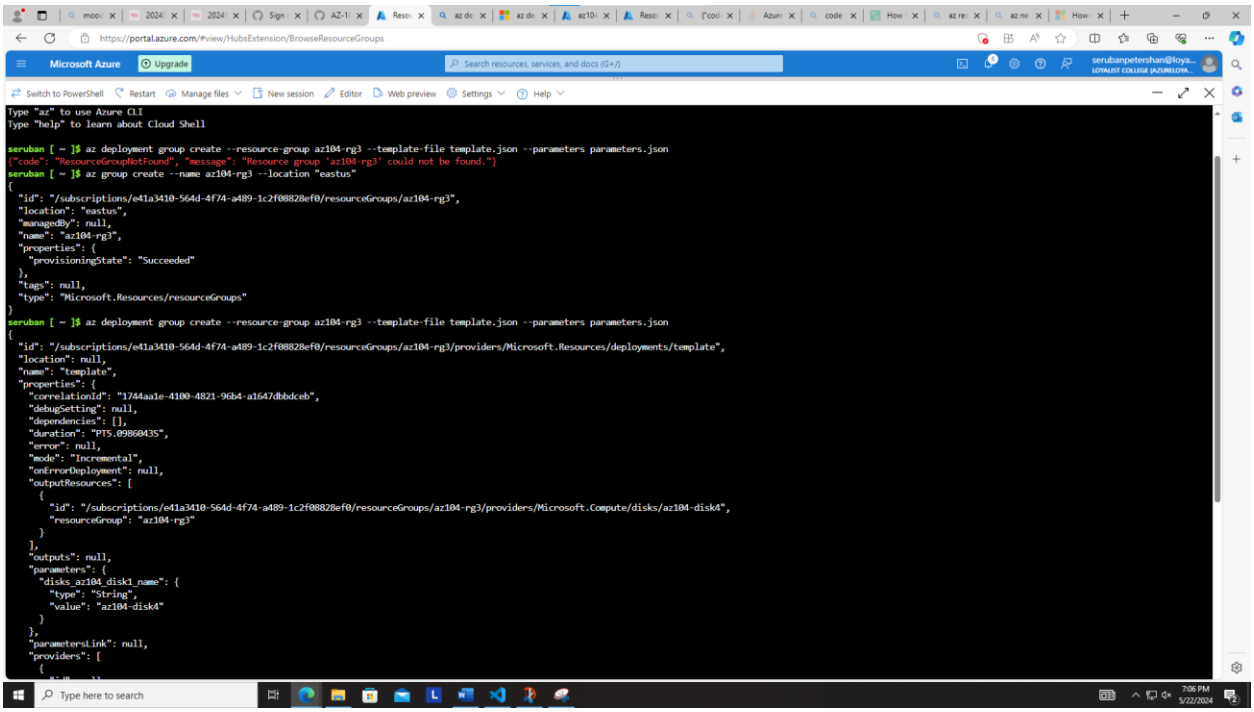
Now lets switch to bash and try to create a another disk with name `az104-disk4`

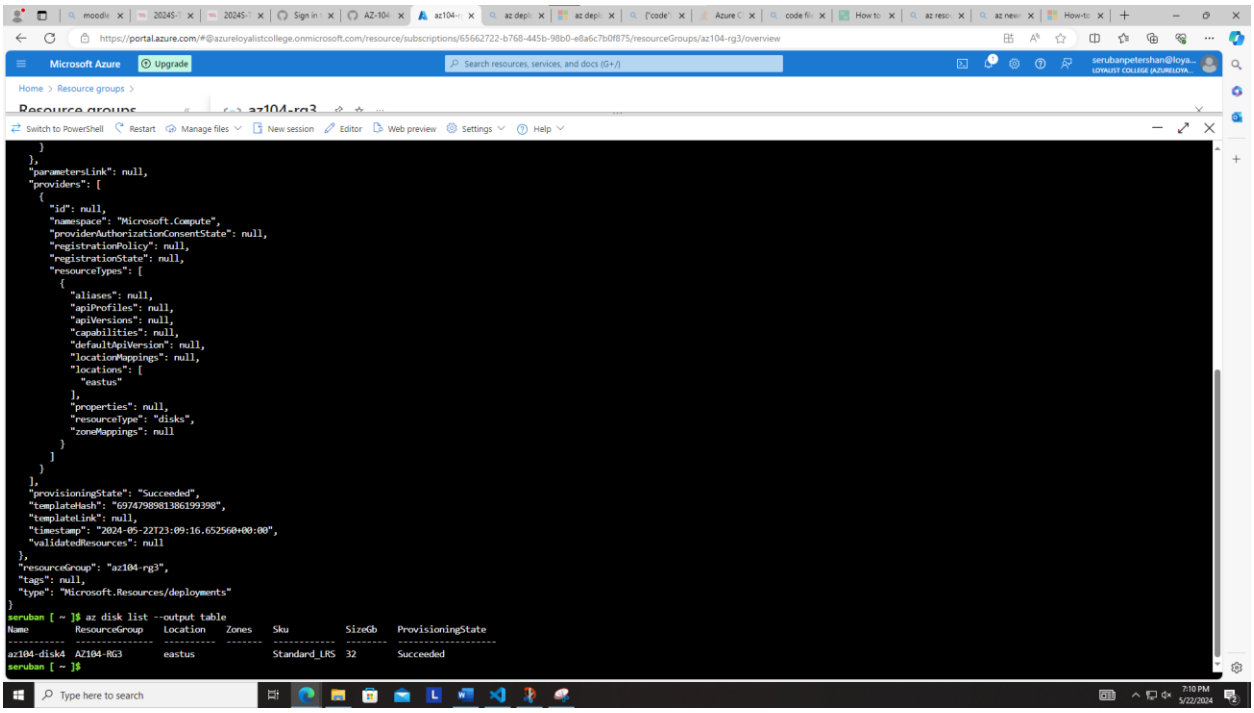


After editing it on the cloudshell editor

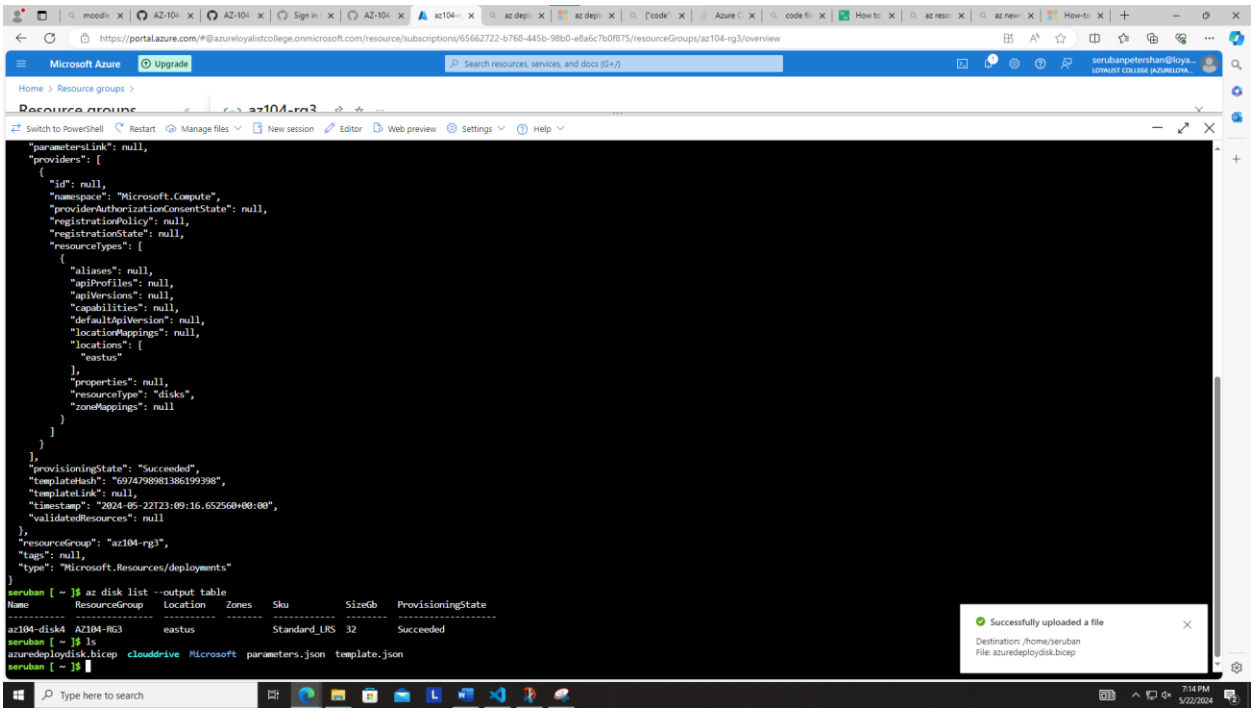


We type the code to create the disk

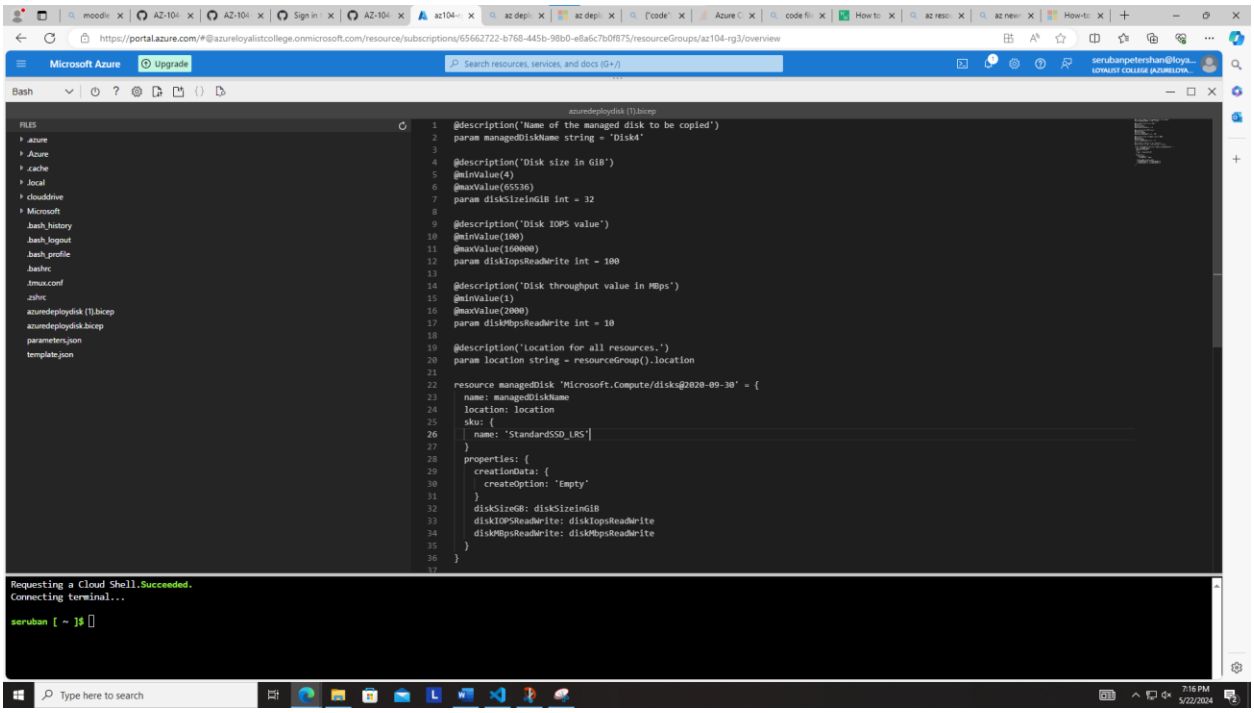




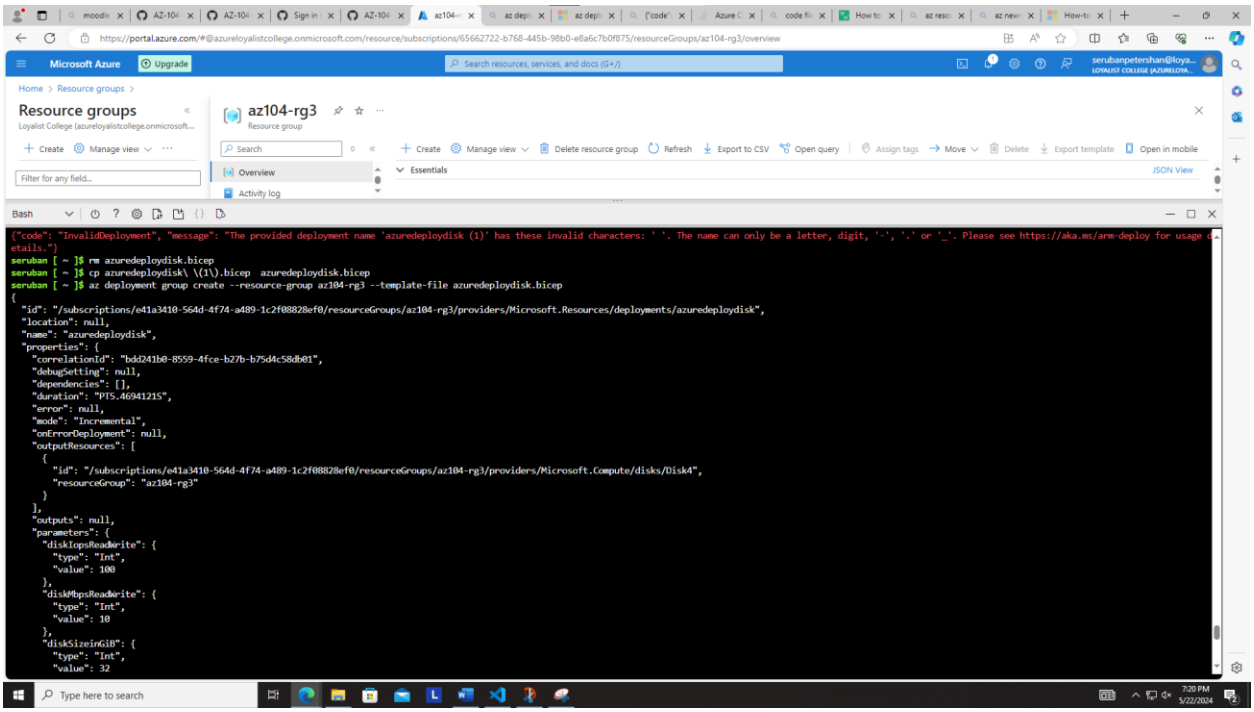
Now let us upload the bicep file and edit that to create `Disk4`

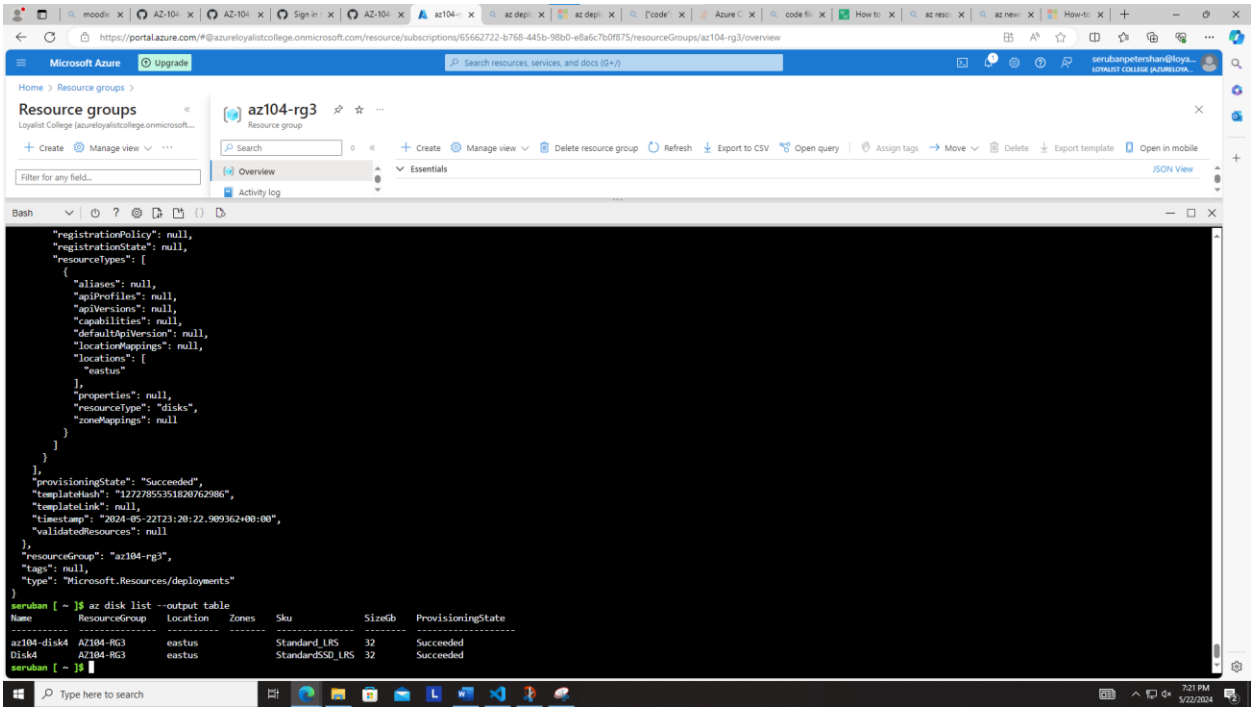


With 32GB and StandardSSD_LRS

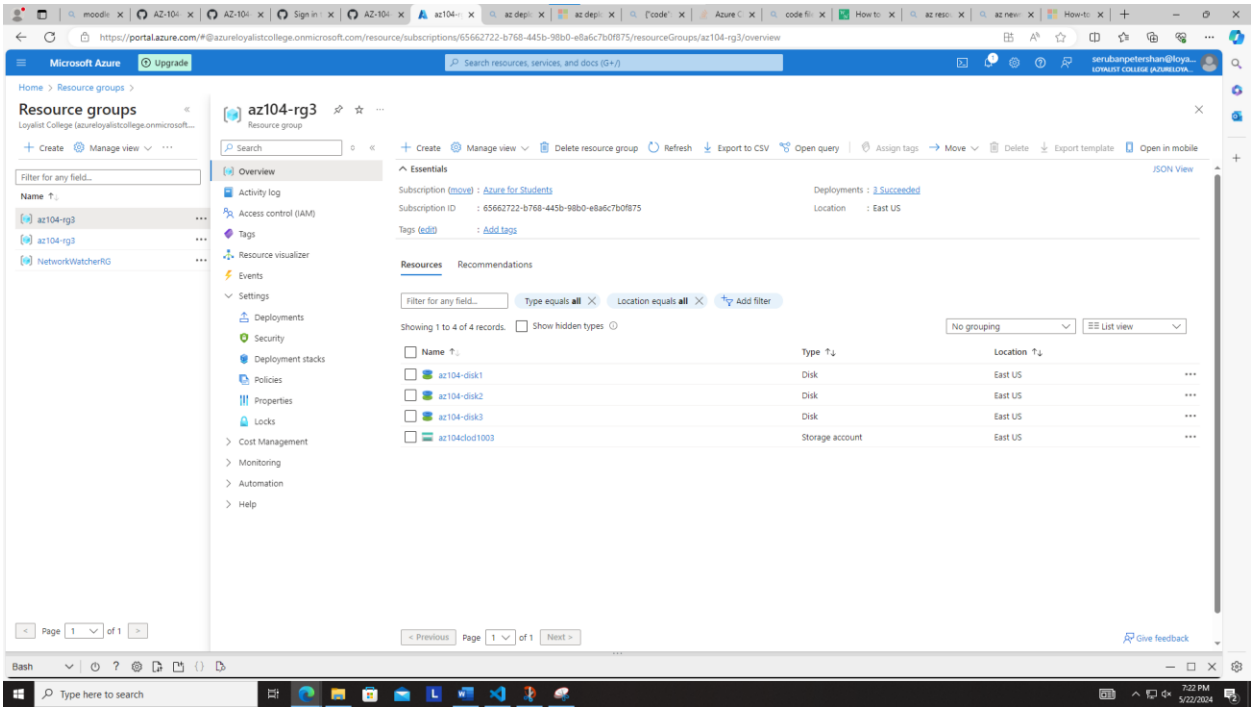


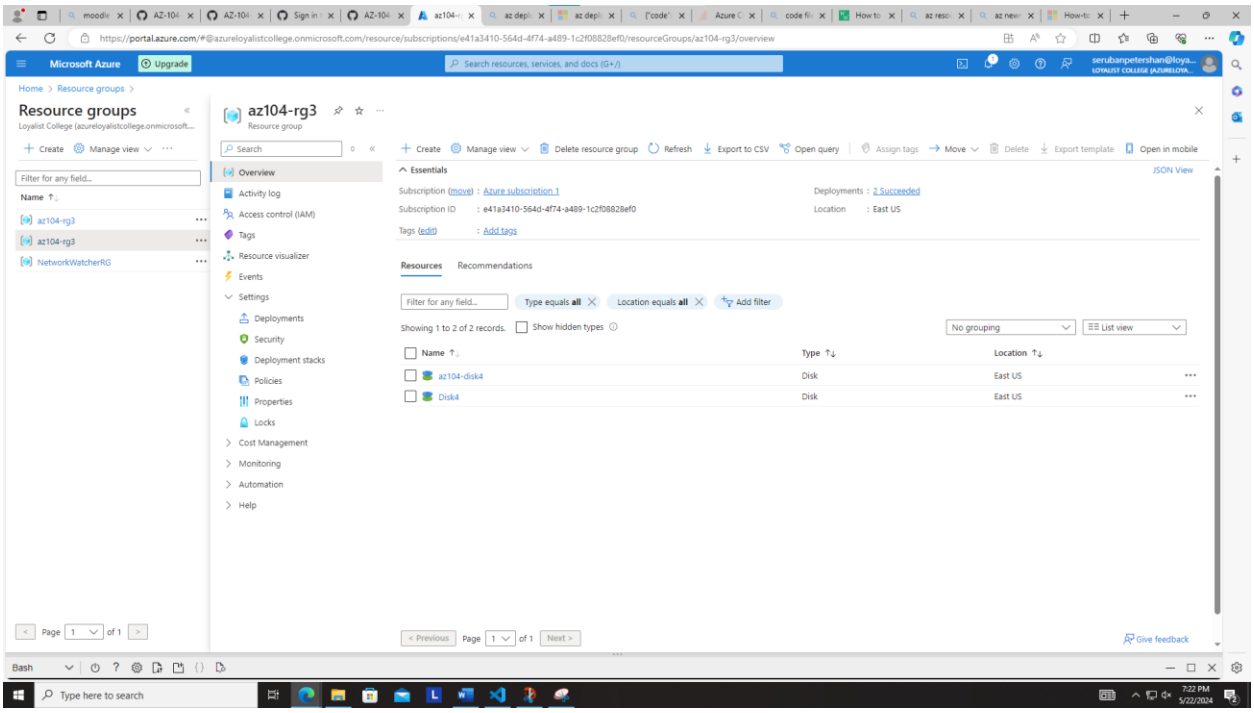
Then you type the code to use the bicep file as template to create this DISK





This is the result of creating in those disk in resource group





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