Practical Task 1: Install and Configure Azure CLI and PowerShell

Requirements:

- Install Azure CLI and Azure PowerShell on your local machine.
- Verify the installation by checking the versions of Azure CLI and PowerShell modules.
- Log in to your Azure account using both Azure CLI and PowerShell.
- List all available subscriptions in your Azure account using both tools.

Practical Task 2: Create and Manage Resource Groups

Requirements:

- Use Azure CLI to create a new resource group named MyResourceGroup in the East US region.
- Use Azure PowerShell to create a new resource group named MyPSResourceGroup in the West Europe region.
- List all resource groups in your subscription using both CLI and PowerShell.
- Delete the resource group MyResourceGroup using Azure CLI.
- Delete the resource group MyPSResourceGroup using Azure PowerShell.

```
PS /> Connect-AzAccount
WARNING: You may need to login again after updating "EnableLoginByWam".
Please select the account you want to login with.

[Login to Azure] To sign in, use a web browser to open the page https://microsoft.com/devicelogin and enter the code DSJW5XUA9 to authenticate.
Retrieving subscriptions for the selection...

[Announcements]
With the new Azure PowerShell login experience, you can select the subscription you want to use more easily. Learn more about it and its configuration at https://go.mic
rosoft.com/fwlink/?linkid=2271909.

If you encounter any problem, please open an issue at: https://aka.ms/azpsissue

Subscription name      Tenant
-----------------      ------
Azure subscription 1   Default Directory

PS /> Get-AzSubscription

   TenantId: 8d1157bb-1f96-415f-824b-ab0a29485d7d

Name                   Id                                      State
----                   --                                      -----
Azure subscription 1   9a6ae428-d8c3-44fe-bdf2-4e08593901a0    Enabled

PS />
PS /> $PSVersionTable

Name                      Value
----                      -----
PSVersion                 7.4.6
PSEdition                 Core
GitCommitId               7.4.6
OS                        Ubuntu 20.04.6 LTS
Platform                  Unix
PSCompatibleVersions      {1.0, 2.0, 3.0, 4.0…}
PSRemotingProtocolVersion 2.3
SerializationVersion      1.1.0.1
WSManStackVersion         3.0

PS />
```

```
root [ / ]# az --version
azure-cli                          2.68.0

core                               2.68.0
telemetry                          1.1.0

Dependencies:
msal                               1.31.1
azure-mgmt-resource                23.1.1

Python location '/usr/bin/python3.12'
Extensions directory '/root/.azure/cliextensions'

Python (Linux) 3.12.3 (main, Dec 13 2024, 23:52:02) [GCC 13.2.0]

Legal docs and information: aka.ms/AzureCliLegal

Your CLI is up-to-date.
root [ / ]# #
root [ / ]# az login
To sign in, use a web browser to open the page https://microsoft.com/devicelogin and enter the code CHGHAY6LQ to authenticate.

Retrieving tenants and subscriptions for the selection...

[Tenant and subscription selection]

No    Subscription name      Subscription ID                        Tenant
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[1] *  Azure subscription 1  9a6ae428-d8c3-44fe-bdf2-4e08593901a0  Default Directory

The default is marked with an *; the default tenant is 'Default Directory' and subscription is 'Azure subscription 1' (9a6ae428-d8c3-44fe-bdf2-4e08593901a0).

Select a subscription and tenant (Type a number or Enter for no changes):

Tenant: Default Directory
Subscription: Azure subscription 1 (9a6ae428-d8c3-44fe-bdf2-4e08593901a0)

[Announcements]
With the new Azure CLI login experience, you can select the subscription you want to use more easily. Learn more about it and its configuration at https://go.microsoft.com/fwlink/?linkid=2271236

If you encounter any problem, please open an issue at https://aka.ms/azclibug

[Warning] The login output has been updated. Please be aware that it no longer displays the full list of available subscriptions by default.
```