PowerShell Assessment

Scenario 1 – Automated User Provisioning and Group Assignment

The HR team has shared a **CSV file (NewUsers.csv)** containing new employee details in the following format:
FirstName,LastName,SamAccountName,Department,Password

John,Doe,jdoe,IT,Server@1
Mary,Smith,msmith,Finance,Server@1
Alex,Khan,akhan,HR,Server@1

Tasks:

- Read the CSV file and create **Active Directory user accounts** for each entry.

- Add each user to their respective **department-based security group** (e.g., IT → IT_Group, Finance → Finance_Group, HR → HR_Group).

- Display a summary showing **UserName, Department, Status (Success/Failed)** for each operation.

- Export the summary to a CSV report named **UserCreationReport.csv**.

Scenario 2

Your IT manager wants a report of low disk space and recent critical errors from all regional servers.

Tasks:

- Use **Invoke-Command** to collect disk information from server.

- Filter drives with **less than 15% free space**.

- Also fetch the **last 5 Critical events** from the **System log**.

- Combine both results with server names and export them into a **CSV file** with columns: ServerName, DriveLetter, FreeSpace(GB), EventID, EventMessage.