1. Install Windows ADDS Service

**Install-WindowsFeature -Name AD-Domain-Services -IncludeManagementTools**

**Get-Command -Module ADDSDeployment**

1. Create a new Forest

**Install-ADDSForest -DomainName demo.lab -InstallDNS**

1. Create an ADC in an existing domain.

**Install-ADDSDomainController -InstallDns -Credential (Get-Credential <DomainName\Administrator>) -DomainName <DomainName> -SafeModeAdministratorPassword (ConvertTo-SecureString -AsPlainText "<Administrator Password>" -Force)**

1. Create a user in Active Directory with password

**New-ADUser -Name "Sam verma" -GivenName "sam" -Surname "verma" -SamAccountName "s.verma" -UserPrincipalName "s.verma@enterprise.com" -Path "OU=Managers,DC=demo,DC=lab" -AccountPassword(Read-Host -AsSecureString "Input Password") -Enabled $true**

1. Create a simple user

**New-ADuser tom**

**Get-Command New-ADUser –Syntax**

1. Install IIS web server

**Install-WindowsFeature -Name web-server -IncludeManagementTools**

1. Important Commands

Get-Help -Name Get-Process

Get-ExecutionPolicy

Set-ExecutionPolicy Unrestricted (Restricted / All signed / Remote signed)

Get-Service

Get-EventLog -Log "Application"

Get-Process

Stop-Process

Get-Help Get-EventLog

Get-Command -Name \*EventLog

Get-CimInstance -ClassName Win32\_ComputerSystem

Get-CimInstance -ClassName Win32\_QuickFixEngineering

Get-CimInstance -ClassName Win32\_LogicalDisk -Filter "DriveType=3"

Get-CimInstance -ClassName Win32\_ComputerSystem -Property UserName

Get-ComputerInfo

--------------------------------------Powershell script ------------------------------

$path="OU=IT,DC=enterprise,DC=com"

$username=Read-Host "Enter name"

$n=Read-Host "Enter Number"

$count=1..$n

foreach ($i in $count)

{ New-AdUser -Name $username$i -Path $path -Enabled $True -ChangePasswordAtLogon $true -AccountPassword (ConvertTo-SecureString "P@ssw0rd" -AsPlainText -force) -passThru }