Here's the \*\*updated PowerShell script using Microsoft Graph PowerShell SDK\*\* (replacing the deprecated `MSOnline` module):

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**### \*\*Step 1: Install and Import the Microsoft Graph Module\*\***

```powershell

# Install the module (if not already installed)

Install-Module Microsoft.Graph -Force

# Import the module

Import-Module Microsoft.Graph

```

---

**### \*\*Step 2: Connect to Microsoft Graph\*\***

Replace the old `Connect-MsolService` with modern authentication:

```powershell

# Use interactive login (modern auth)

Connect-MgGraph -Scopes "User.ReadWrite.All", "Organization.ReadWrite.All"

# Alternatively, use credentials (less secure)

$User = "admin@test.onmicrosoft.com"

$PWord = ConvertTo-SecureString -String "YourAdminPassword" -AsPlainText -Force

$Credential = New-Object -TypeName System.Management.Automation.PSCredential -ArgumentList $User, $PWord

Connect-MgGraph -Credential $Credential -Scopes "User.ReadWrite.All", "Organization.ReadWrite.All"

```

---

**### \*\*Step 3: Create the User with `New-MgUser`\*\***

```powershell

$UserParams = @{

UserPrincipalName = "fathih@ms.ac.lk"

DisplayName = "Mohamed Ismial Kareema"

GivenName = "Mohamed Ismial"

Surname = "Kareema"

OtherMails = @("mifkareema@gmail.com") # Replaces AlternateEmailAddresses

MobilePhone = "+94773780999"

UsageLocation = "LK" # Required for license assignment

MailNickname = "fathih" # Alias for the mailbox

AccountEnabled = $true

PasswordProfile = @{

ForceChangePasswordNextSignIn = $true

Password = "TemporaryPassword123!" # Set a secure temporary password

}

OnPremisesImmutableId = "10508" # Equivalent to ImmutableId in MSOnline

}

# Create the user

New-MgUser @UserParams

```

---

**### \*\*Step 4: Assign a License with `Set-MgUserLicense`\*\***

```powershell

# Replace the SKU ID with your license's GUID (check with Get-MgSubscribedSku)

$LicenseParams = @{

UserId = "fathih@ms.ac.lk"

AddLicenses = @(

@{SkuId = "314c4481-f395-4525-be8b-2ec4bb1e9d91"} # Example SKU for Microsoft 365 E5

)

RemoveLicenses = @()

}

# Assign the license

Set-MgUserLicense @LicenseParams

```

---

**### \*\*Full Script\*\***

```powershell

# Connect to Microsoft Graph

Connect-MgGraph -Scopes "User.ReadWrite.All", "Organization.ReadWrite.All"

# Create user parameters

$UserParams = @{

UserPrincipalName = "fathih@ms.ac.lk"

DisplayName = "Mohamed Ismial Kareema"

GivenName = "Mohamed Ismial"

Surname = "Kareema"

OtherMails = @("mifkareema@gmail.com")

MobilePhone = "+94773780999"

UsageLocation = "LK"

MailNickname = "fathih"

AccountEnabled = $true

PasswordProfile = @{

ForceChangePasswordNextSignIn = $true

Password = "TempPassw0rd!"

}

OnPremisesImmutableId = "10508"

}

# Create the user

New-MgUser @UserParams

# Assign license

$LicenseParams = @{

UserId = "fathih@ms.ac.lk"

AddLicenses = @(

@{SkuId = "314c4481-f395-4525-be8b-2ec4bb1e9d91"}

)

RemoveLicenses = @()

}

Set-MgUserLicense @LicenseParams

# Disconnect session

Disconnect-MgGraph

```

---

### \*\*Key Changes from Your Original Script\*\*

1. \*\*Authentication\*\*:

- Replaced `Connect-MsolService` with `Connect-MgGraph`.

- Modern authentication (OAuth 2.0) is now used instead of basic credentials.

2. \*\*User Creation\*\*:

- `New-MsolUser` → `New-MgUser`.

- `AlternateEmailAddresses` → `OtherMails`.

- `ImmutableId` → `OnPremisesImmutableId`.

- Added mandatory `PasswordProfile` for setting passwords.

3. \*\*License Assignment\*\*:

- `Set-MgUserLicense` now requires the `AddLicenses` parameter to be an array of objects.

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### \*\*Important Notes\*\*

- \*\*License SKU ID\*\*: Confirm your license SKU ID using:

```powershell

Get-MgSubscribedSku | Select SkuId, SkuPartNumber

```

- \*\*Permissions\*\*: Ensure your account has \*\*Global Admin\*\* or \*\*User Management Admin\*\* roles.

- \*\*Password Policy\*\*: The temporary password must meet your tenant’s complexity requirements.

- \*\*Hybrid Environments\*\*: If syncing from on-premises AD, use Azure AD Connect and manage users locally.

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### \*\*Troubleshooting\*\*

- \*\*Errors\*\*: Run `Disconnect-MgGraph` and re-authenticate if permissions are missing.

- \*\*Documentation\*\*: [Microsoft Graph User Management](https://learn.microsoft.com/en-us/graph/api/user-post-users).

Let me know if you need further adjustments! 😊the service , how should i create account