# Exercise 6: Querying user data from Microsoft Graph

This exercise leads the user through a series of tasks utilizing Microsoft Graph Explorer. For this exercise you will use the default sample account and will not sign in.

**Note**: The trainer should confirm users are not signed on in a browser with a Microsoft 365 account. You may also direct them to open an InPrivate window session. By the end of this exercise you will be able to:

* Get the signed-in user’s profile.
* Get a list of users in the organization.
* Get the user’s profile photo.
* Get a user object based on the user’s unique identifier.
* Get the user’s manager profile.

## Task 1: Go to the Graph Explorer

1. Open the Microsoft Edge browser.
2. Go to this link: <https://developer.microsoft.com/en-us/graph/graph-explorer>.

This page allows users to interact with the Microsoft Graph without needing to write any code. The Microsoft Graph Explorer provides sample data to use for read operations.

**Note**: Some organizations may not allow users to sign in or consent to specific scopes required for some operations. ## Task 2: Get the signed in user’s profile

1. The page loads with a request of **/v1.0/me** entered in the **request URL** box.
2. Select **Run Query**.

The data for the current users’ profile is shown in the **Response Preview** pane at the bottom of the page.

## Task 3: Get a list of users in the organization

1. In the request URL box amend the request to be: **/v1.0/users**
2. Select **Run Query**.

This shows a list of users in the organization in the **Response Preview** pane at the bottom of the page.

## Task 4: Get the user object based on the user’s unique identifier

1. In the second item shown in the results, select and copy the **ID** property. This should be the ID for the “**Adele Vance**” user.
2. In the **request URL** box change the URL to request the profile for a specific user by appending the copied ID to the request URL in the form **/users/{id}**; for example: **/users/87d349ed-44d7-43e1-9a83-5f2406dee5bd**
3. Select **Run Query**.

The profile information for that user is shown in the **Response Preview** pane at the bottom of the page.

## Task 5: Get the user’s profile photo

1. In the request URL box append **/photo**
2. The URL should now be something like: **https://graph.microsoft.com/v1.0/users/87d349ed-44d7-43e1-9a83-5f2406dee5bd/photo**
3. Select **Run Query**. In the **Response Preview,** metadata about the profile picture for the user is shown.
4. In the **request URL** box, append **/$value**
5. The URL should now be something like: **https://graph.microsoft.com/v1.0/users/87d349ed-44d7-43e1-9a83-5f2406dee5bd/photo/$value**
6. Select **Run Query.** The image for the default profile picture is shown in the **Response Preview** pane at the bottom of the page.

## Task 6: Get the user’s manager profile

1. In the **request URL** box, replace **/photo/$value** with **/manager**
2. The URL should now be something like: **https://graph.microsoft.com/v1.0/users/87d349ed-44d7-43e1-9a83-5f2406dee5bd/manager**
3. Select **Run Query.** The profile information for the manager of the specified user is shown in the **Response Preview** pane.
4. The URL should now be something like: **https://graph.microsoft.com/v1.0/users/87d349ed-44d7-43e1-9a83-5f2406dee5bd/photo**
5. Select **Run Query**.

## Review

In this exercise, you learned how to:

* Get the signed-in user’s profile.
* Get a list of users in the organization.
* Get the user’s profile photo.
* Get a user object based on the user’s unique identifier.
* Get the user’s manager profile.