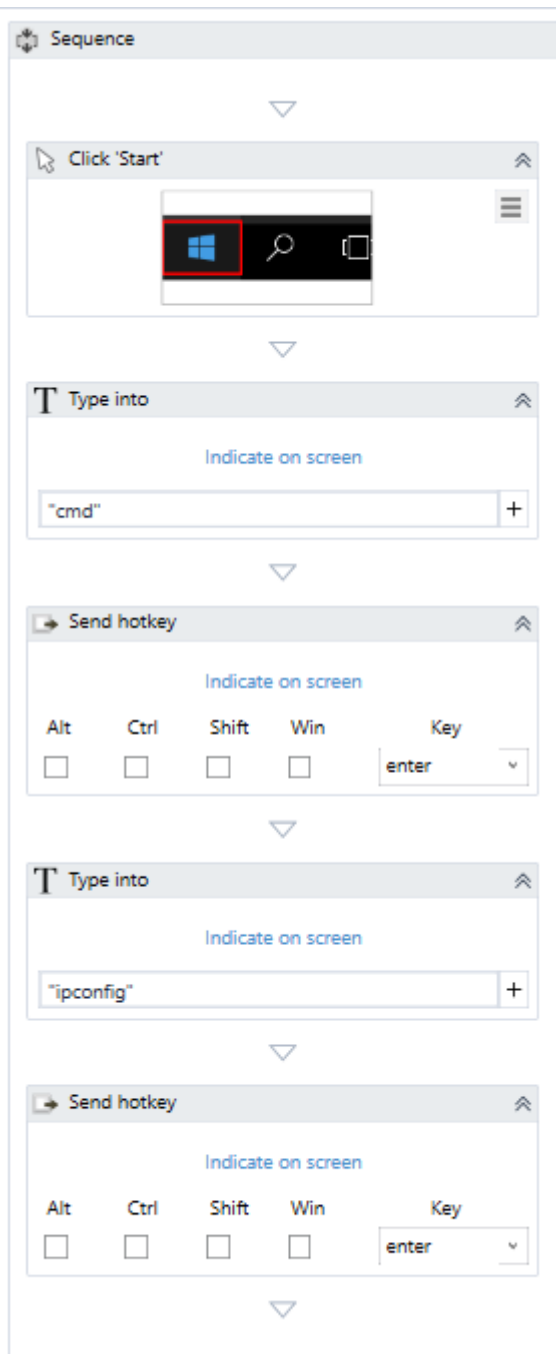# Lab 5: Using Mouse and Keyboard Automation
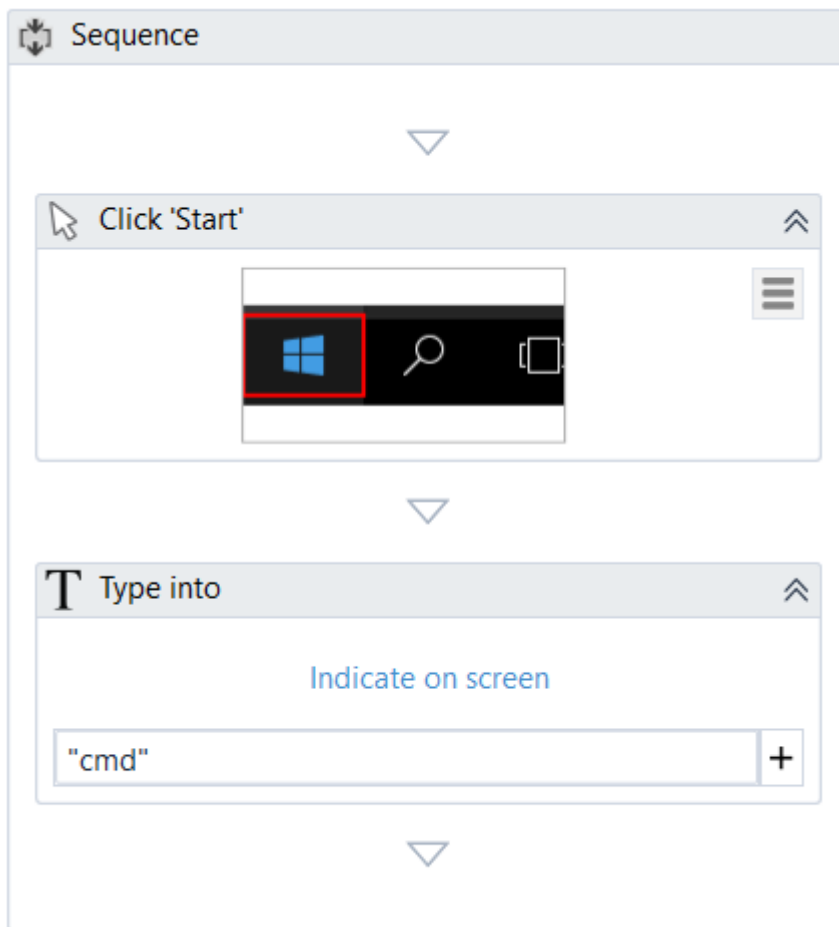
Lab Solutions

Lab solution(s) are present in `Solution\Lab05` folder.

To exemplify the automation of a process by using activities that simulate mouse and keyboard input, we created an automation that displays the IP address, subnet mask, and default gateway for all adapters from the Command Prompt, by using the ipconfig command and actions similar to human ones:
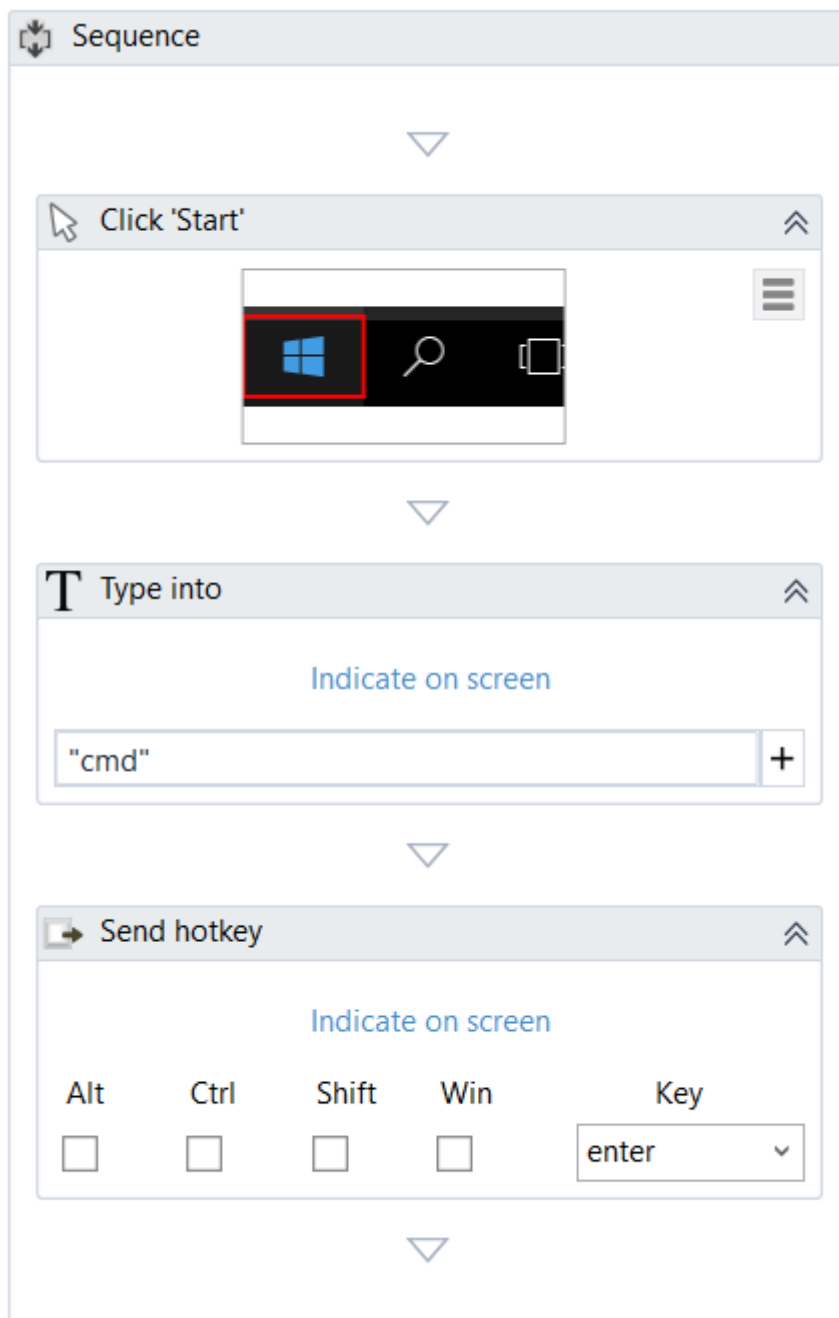
1. Create a new [**Sequence**].
2. Add a [**Click**] activity to the **Designer** panel.
3. Select the activity, click the **Indicate on screen** button and click the **Start** button.

Sequence

Click 'Start'

T Type into

Indicate on screen

"cmd" +

Send hotkey

Indicate on screen

Alt	Ctrl	Shift	Win	Key
☐	☐	☐	☐	enter

T Type into

Indicate on screen

"ipconfig" +

Send hotkey

Indicate on screen

Alt	Ctrl	Shift	Win	Key
☐	☐	☐	☐	enter

4. Add a [**Type Into**] activity under the previously added one.
5. Select the activity, and in the **Text** field, write cmd.

Sequence

Click 'Start'

T Type into

Indicate on screen

"cmd" +

6. Add a [**Send Hotkey**] activity under the previously added one.
7. Select the activity and, from the drop-down menu choose **enter**.

Sequence

Click 'Start'

T Type into

Indicate on screen

"cmd" +

➡ Send hotkey

Indicate on screen

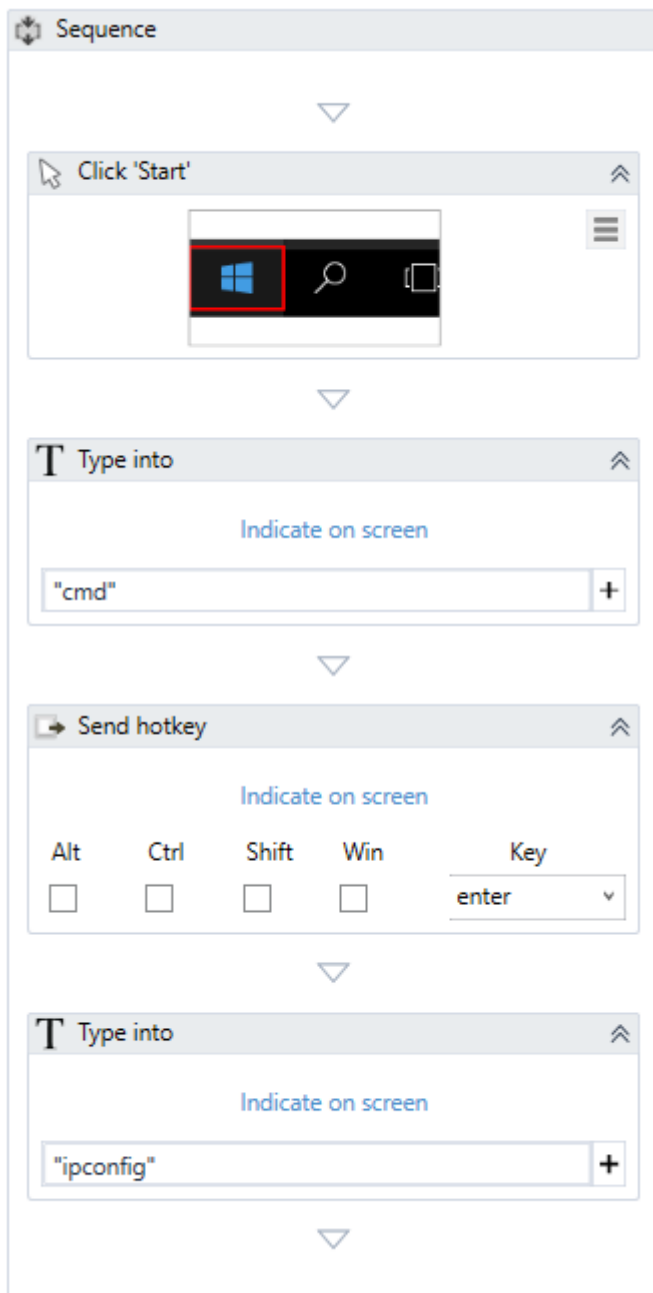| Alt	Ctrl	Shift	Win	Key
☐	☐	☐	☐	enter ⌄

8. Add another **Type Into** activity under the previously added one.
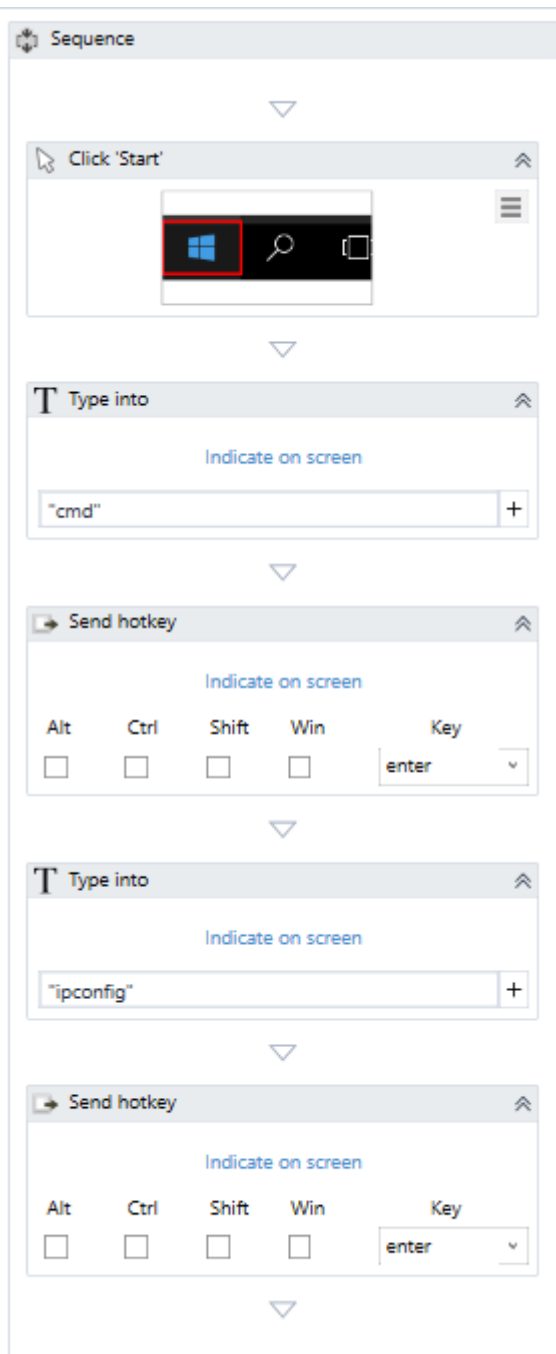9. Select the activity, and into the **Text** field, write ipconfig.

10. Add another **Send Hotkey** activity under the previously added one.
11. Select the activity, and from the drop-down menu select the **enter** key.

Sequence

Click 'Start'

Type into

Indicate on screen

"cmd"

Send hotkey

Indicate on screen

Alt	Ctrl	Shift	Win	Key
☐	☐	☐	☐	enter

Type into

Indicate on screen

"ipconfig"

Send hotkey

Indicate on screen

Alt	Ctrl	Shift	Win	Key
☐	☐	☐	☐	enter

12. Press F5. The automation is executed. The IP address, subnet mask and default gateway for all adapters are displayed in the Command Prompt.

Task:

Create new sequence to open "Powershell" and get System Info as shown below:

```
Administrator: Windows PowerShell                                              —    □    ×

Windows PowerShell
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PS C:\Users\fenago> Get-ComputerInfo


WindowsBuildLabEx                         : 17763.1.amd64fre.rs5_release.180914-1434
WindowsCurrentVersion                     : 6.3
WindowsEditionId                          : Professional
WindowsInstallationType                   : Client
WindowsInstallDateFromRegistry            : 12/6/2020 8:43:30 AM
WindowsProductId                          : 00331-10000-00001-AA233
WindowsProductName                        : Windows 10 Pro
WindowsRegisteredOrganization             :
WindowsRegisteredOwner                    :
WindowsSystemRoot                         : C:\windows
WindowsVersion                            : 1809
BiosCharacteristics                       :
BiosBIOSVersion                           :
BiosBuildNumber                           :
BiosCaption                               :
BiosCodeSet                               :
BiosCurrentLanguage                       :
BiosDescription                           :
BiosEmbeddedControllerMajorVersion        :
BiosEmbeddedControllerMinorVersion        :
BiosFirmwareType                          :
BiosIdentificationCode                    :
BiosInstallableLanguages                  :
BiosInstallDate                           :
BiosLanguageEdition                       :
BiosListOfLanguages                       :
BiosManufacturer                          :
BiosName                                  :
BiosOtherTargetOS                         :
BiosPrimaryBIOS                           :
BiosReleaseDate                           :
BiosSeralNumber                           :
BiosSMBIOSBIOSVersion                     :
BiosSMBIOSMajorVersion                    :
BiosSMBIOSMinorVersion                    :
BiosSMBIOSPresent                         :
BiosSoftwareElementState                  :
BiosStatus                                :
BiosSystemBiosMajorVersion                :
BiosSystemBiosMinorVersion                :
```