

Tutorial: Installation of JDK and Build Tools on Windows OS

Section-I : Installation of JDK and Git on Windows 8 OS

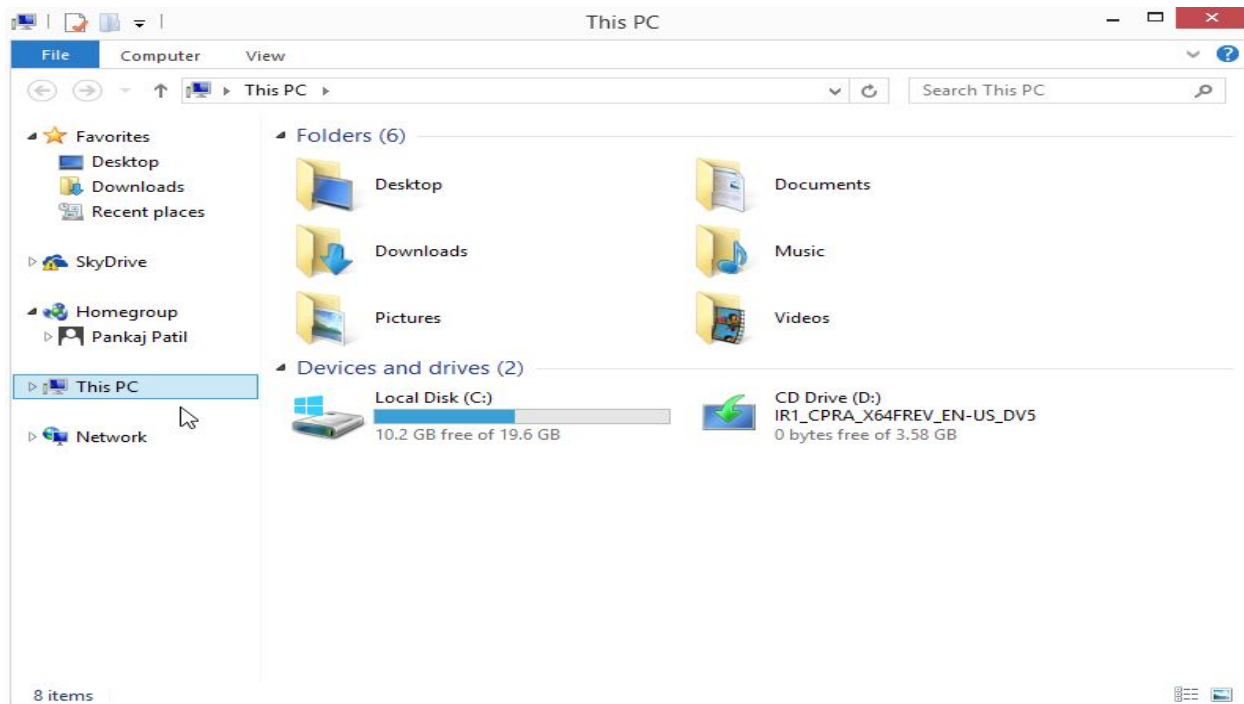
1. Download the software packages and follow the installation steps exactly as demonstrated in the video.
2. The installation steps may vary on **Windows 8**. You may see a different interface on your system or your system may ask for extra/less information than that demonstrated in the video.
3. In case, If your system prompts for additional permissions, you should provide the permissions by clicking **Yes/Run/Accept/OK/Install** buttons.
4. In case, If your system prompts for additional configurations, you should keep the default configurations by clicking **Yes/Run/Accept/OK/Install** buttons.

Section-II :: Setting Environment Variable for JDK, Maven and Ant on Windows 8 OS

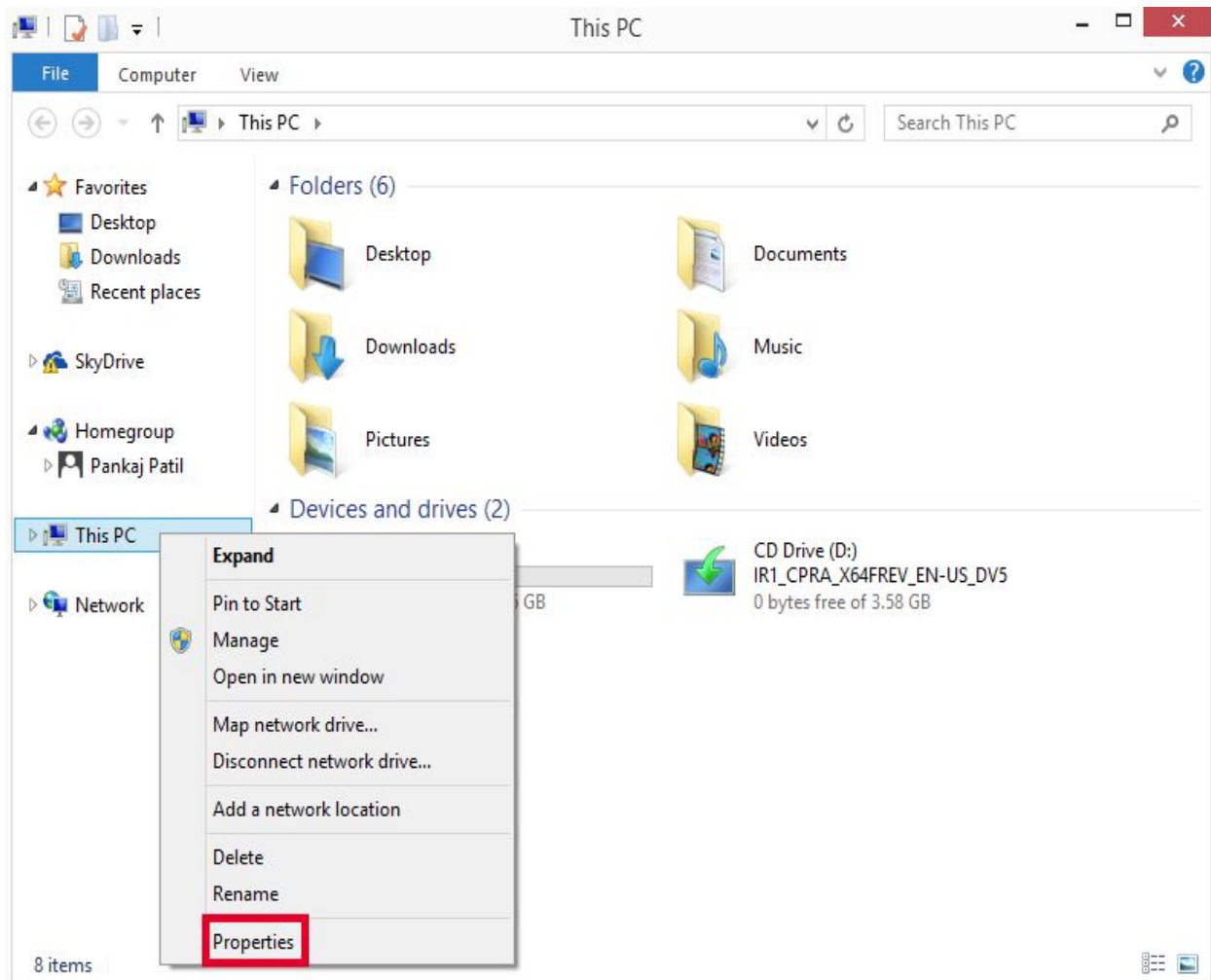
Prerequisite:

1. You should have installed **JDK, Maven** and **Ant**.
2. Installation directory paths for **JDK, Maven** and **Ant** must match to the Installation directory paths shown in the video.

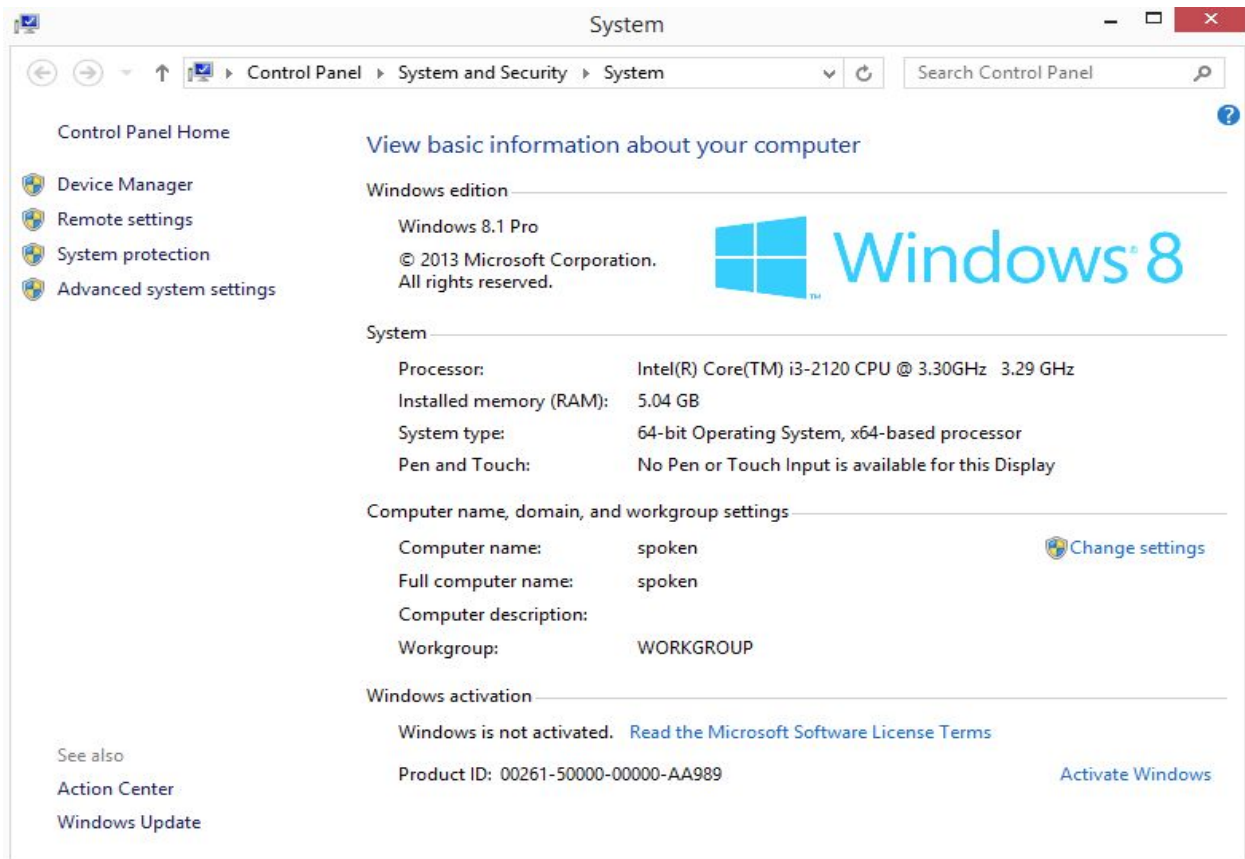
1. Go to **This PC/My Computer**.



2. Right-click on **This PC/My Computer** and select **Properties**.



System dialog box is displayed.



3. Click on the **Advanced system settings** from the left panel.

The screenshot shows the Windows 8.1 Pro System window. The left navigation pane contains the following items: Control Panel Home, Device Manager, Remote settings, System protection, and **Advanced system settings** (highlighted with a red box). The main content area displays system information:

View basic information about your computer

Windows edition

Windows 8.1 Pro
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System

Processor:	Intel(R) Core(TM) i3-2120 CPU @ 3.30GHz 3.29 GHz
Installed memory (RAM):	5.04 GB
System type:	64-bit Operating System, x64-based processor
Pen and Touch:	No Pen or Touch Input is available for this Display

Computer name, domain, and workgroup settings

Computer name:	spoken	Change settings
Full computer name:	spoken	
Computer description:		
Workgroup:	WORKGROUP	

Windows activation

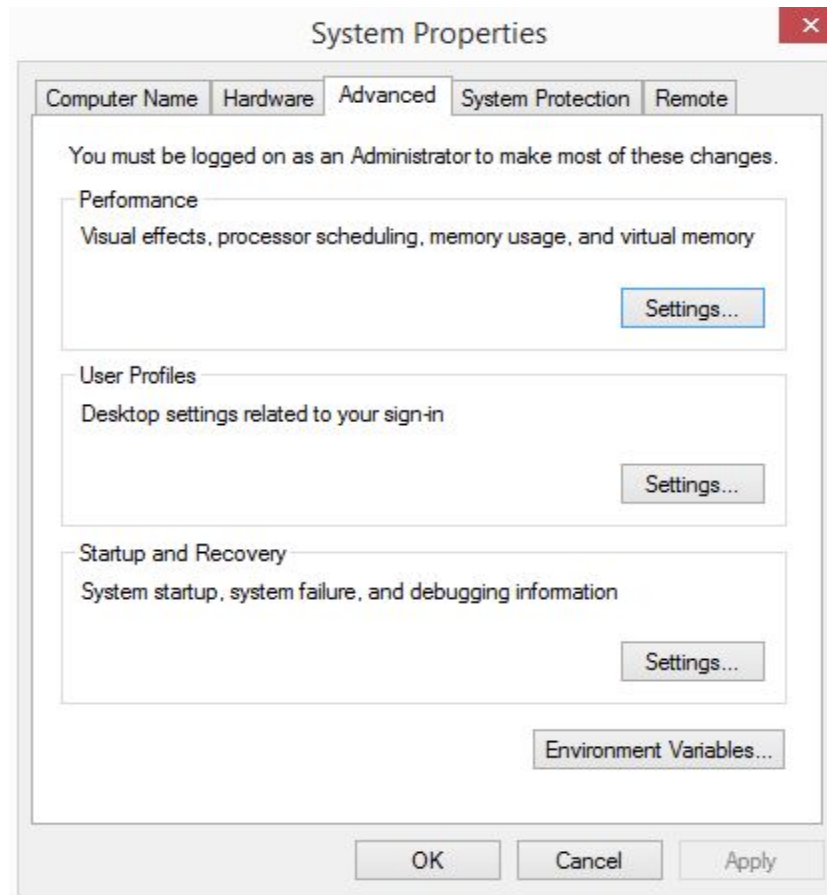
Windows is not activated. [Read the Microsoft Software License Terms](#)

Product ID: 00261-50000-00000-AA989 [Activate Windows](#)

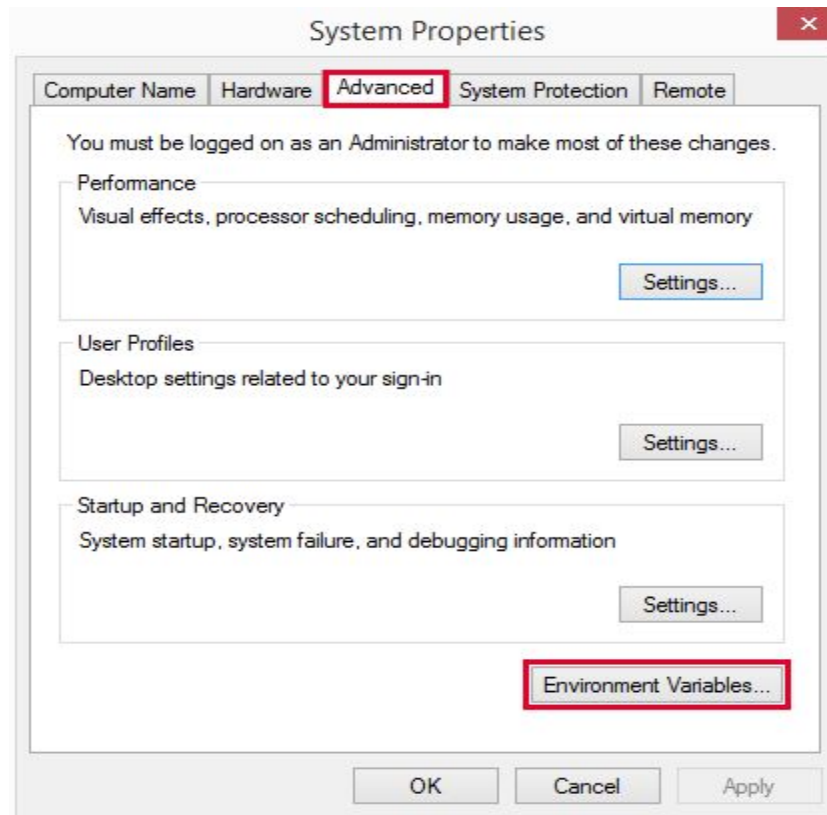
See also

- Action Center
- Windows Update

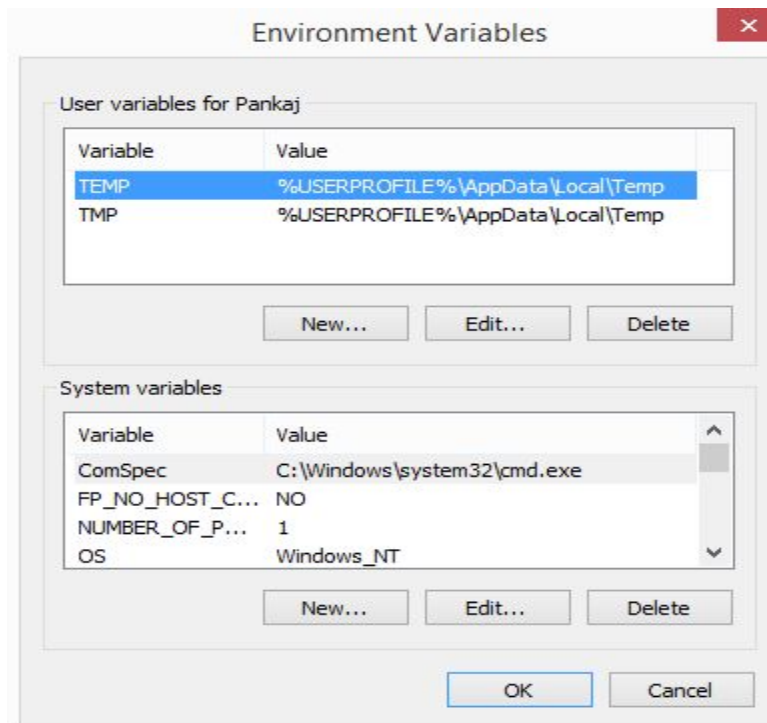
System Properties dialog box is shown.



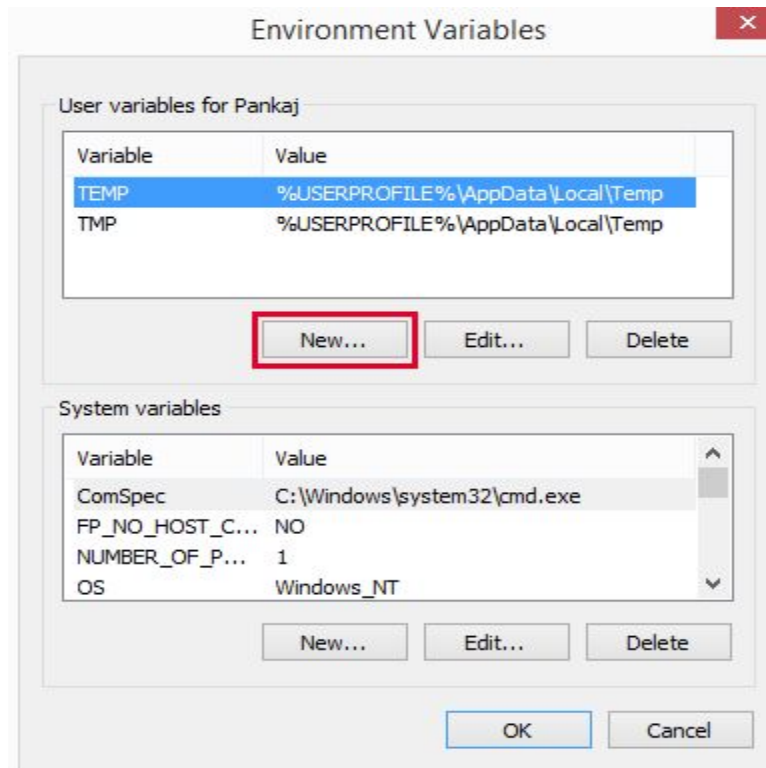
4.Ensure that the **Advanced** tab is selected in the **System Properties** dialog box and click on the **Environment Variables** button.



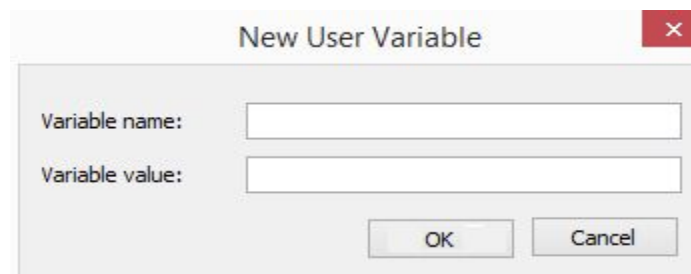
Environment Variables dialog box is shown.



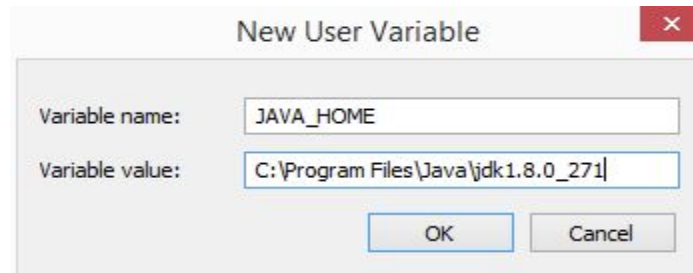
5. In the **Environment Variables** dialog box, click on the **New** button in the **User variable** section.



New User Variable dialog box opens up.

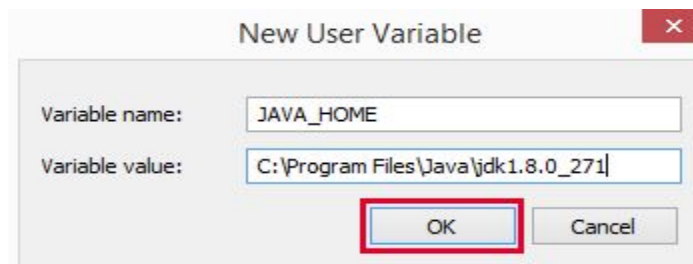


6. To create a **user variable** for **JDK**, enter the **Variable name** as **JAVA_HOME** and **Variable values** as **C:\Program Files\Java\jdk1.8.0_271**.



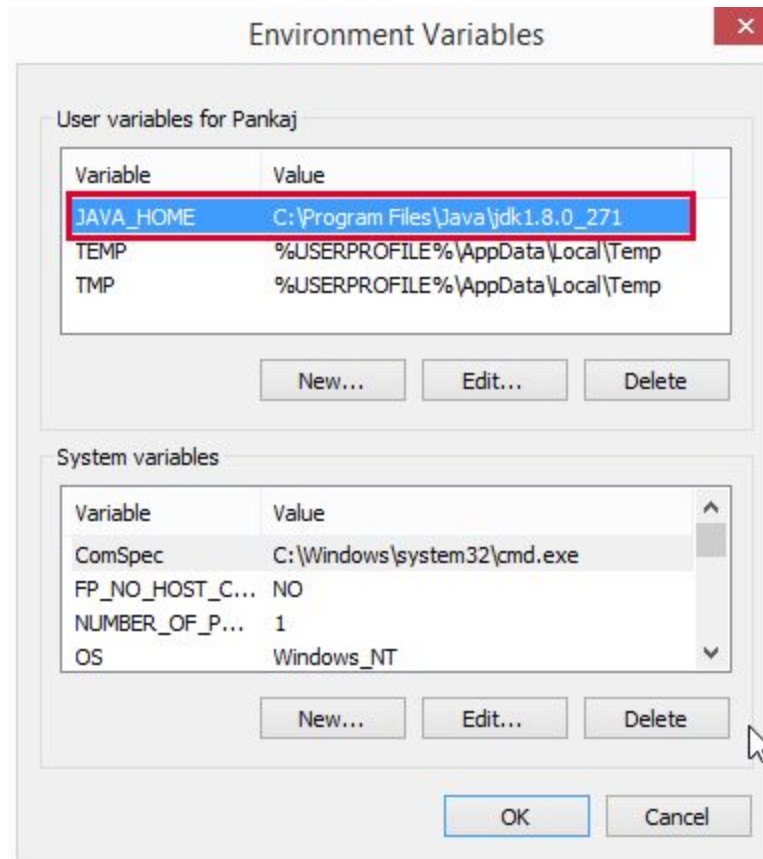
The screenshot shows a dialog box titled "New User Variable" with a close button (X) in the top right corner. It contains two text input fields: "Variable name:" with the text "JAVA_HOME" and "Variable value:" with the text "C:\Program Files\Java\jdk1.8.0_271". At the bottom, there are two buttons: "OK" and "Cancel". The "OK" button is highlighted with a blue border.

7. Click the **OK** button to save the variable.



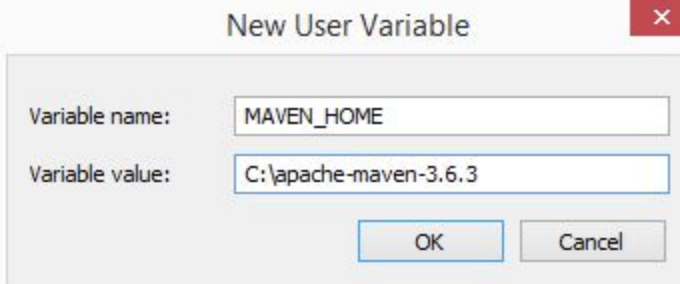
The screenshot shows the same "New User Variable" dialog box. The "Variable name" field contains "JAVA_HOME" and the "Variable value" field contains "C:\Program Files\Java\jdk1.8.0_271". The "OK" button is now highlighted with a red border, indicating it should be clicked to save the variable.

Newly created **JAVA_Variable** is shown in the **Environment Variables** dialog box as shown.



8. Similarly, create **MAVEN_HOME** and **ANT_HOME** variables.

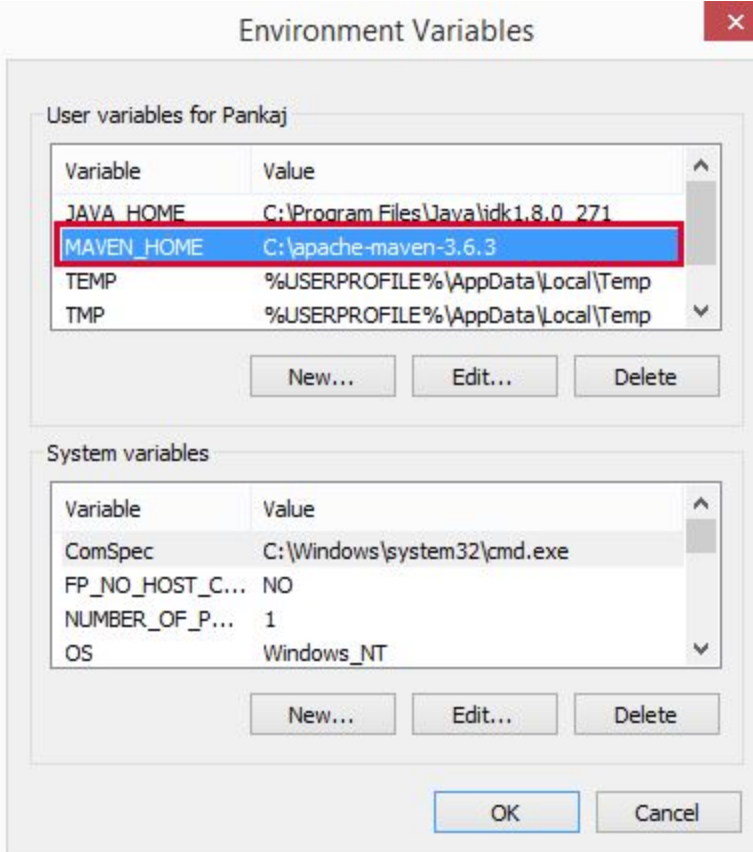
Setting User Variable for Maven



The 'New User Variable' dialog box is shown with the following fields:

- Variable name: MAVEN_HOME
- Variable value: C:\apache-maven-3.6.3

Buttons: OK, Cancel



The 'Environment Variables' dialog box is shown for user Pankaj. It contains two sections:

User variables for Pankaj

Variable	Value
JAVA_HOME	C:\Program Files\Java\jdk1.8.0_271
MAVEN_HOME	C:\apache-maven-3.6.3
TEMP	%USERPROFILE%\AppData\Local\Temp
TMP	%USERPROFILE%\AppData\Local\Temp

Buttons: New..., Edit..., Delete

System variables

Variable	Value
ComSpec	C:\Windows\system32\cmd.exe
FP_NO_HOST_C...	NO
NUMBER_OF_P...	1
OS	Windows_NT

Buttons: New..., Edit..., Delete

Buttons: OK, Cancel

Setting User Variable for Ant

New User Variable ✕

Variable name:

Variable value:

Environment Variables ✕

User variables for Pankaj

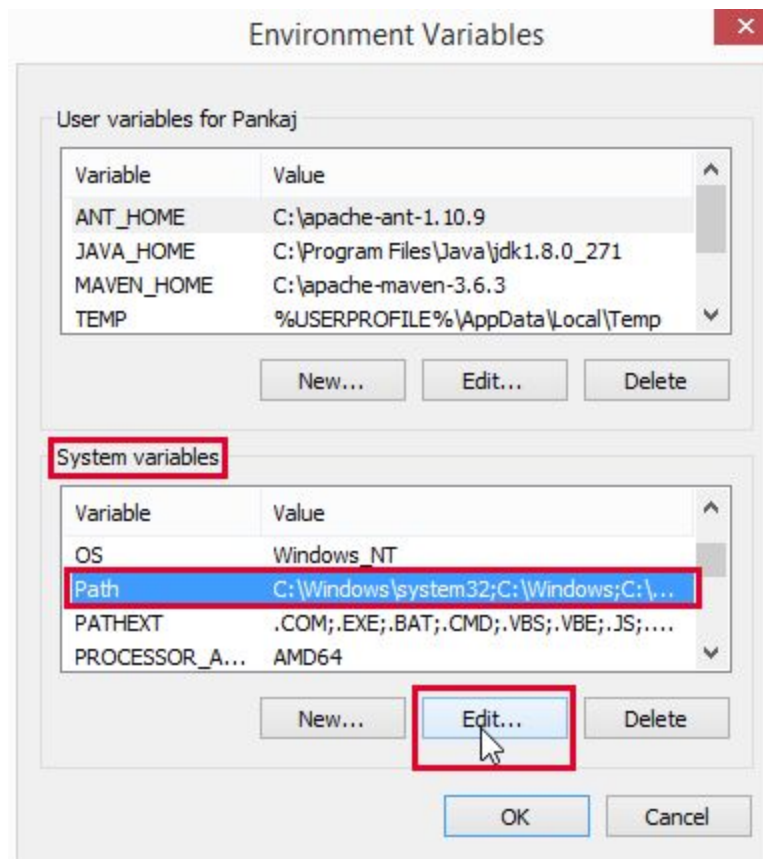
Variable	Value
ANT_HOME	C:\apache-ant-1.10.9
JAVA_HOME	C:\Program Files\Java\jdk1.8.0_271
MAVEN_HOME	C:\apache-maven-3.6.3
TEMP	%USERPROFILE%\AppData\Local\Temp

System variables

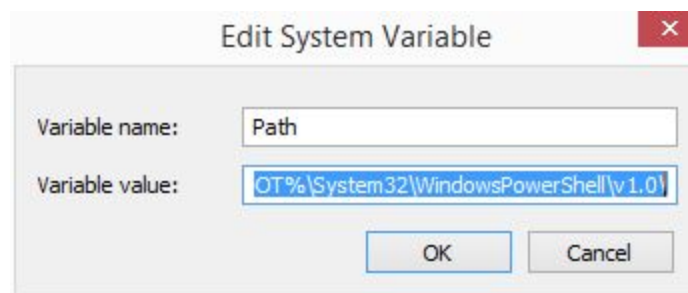
Variable	Value
ComSpec	C:\Windows\system32\cmd.exe
FP_NO_HOST_C...	NO
NUMBER_OF_P...	1
OS	Windows_NT

9. Next, proceed for setting the **Path variable** in the **System Variables** section.

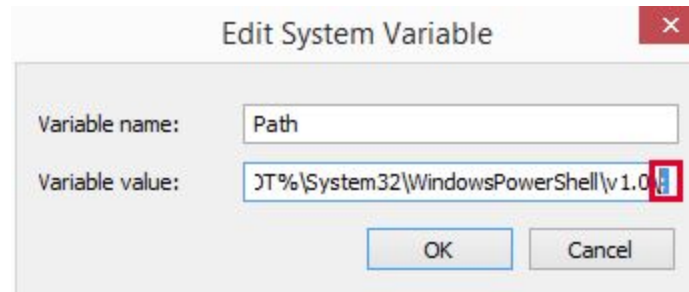
Select the **Path variable** in the **System Variables** section and click the **Edit** button.



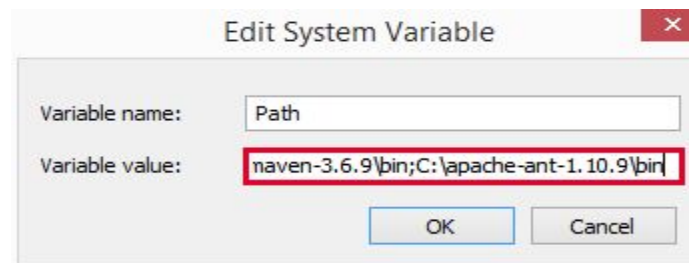
Edit System Variable dialog box is displayed with the current **Path variable** value.



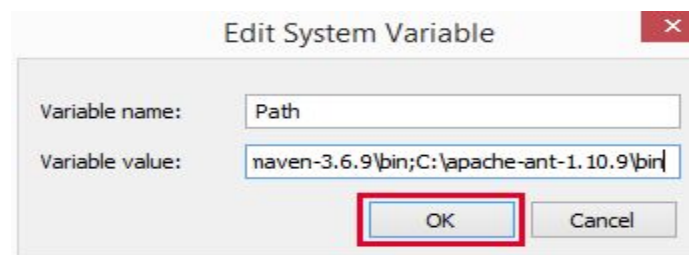
10. Move the **Text cursor** to the end of the existing **Path variable** and enter ; (semicolon) symbol.



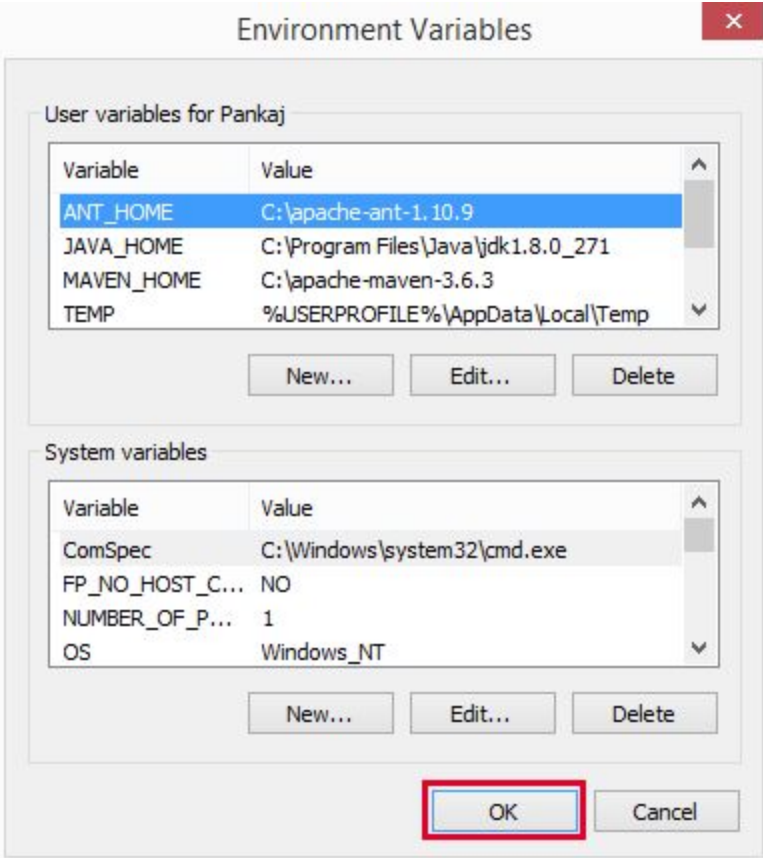
11. Next append the path of **bin** directories of **JDK, Maven** and **Ant** as shown below.
C:\Program Files\Java\jdk1.8.0_271\bin;C:\apache-maven-3.6.3\bin;C:\apache-ant-1.10.9\bin



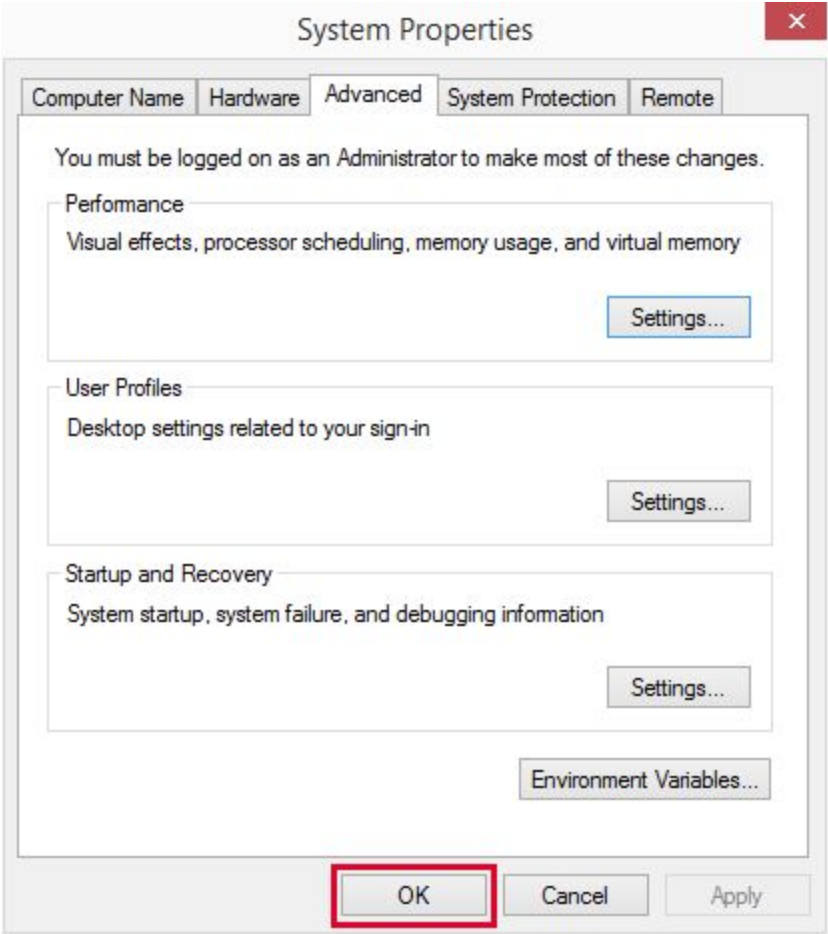
12. Click the **OK** button to save the **Path** variable.



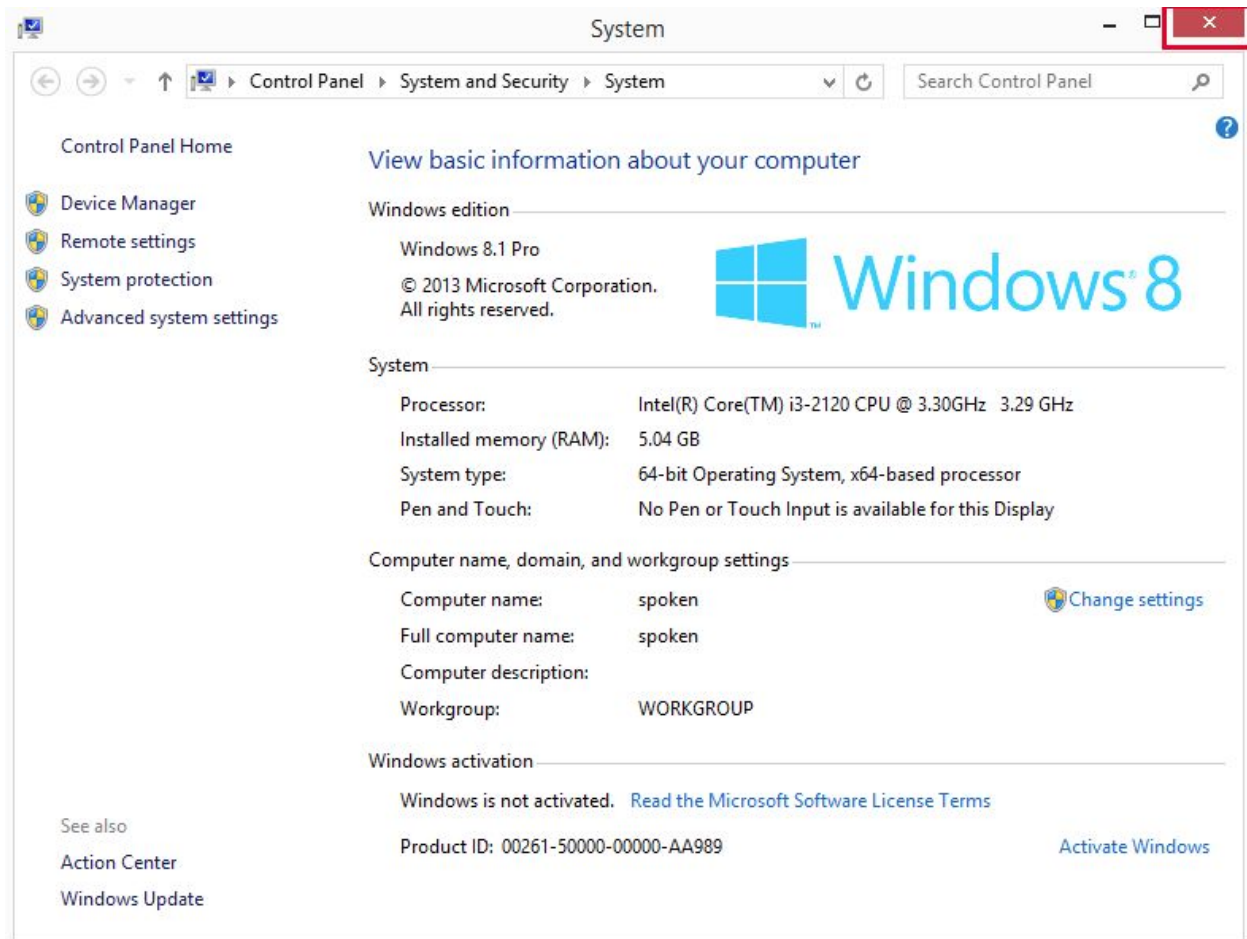
13. Click the **OK** button in the **Environment Variable** dialog box.



14. Click the **OK** button in the **System Properties** dialog box.



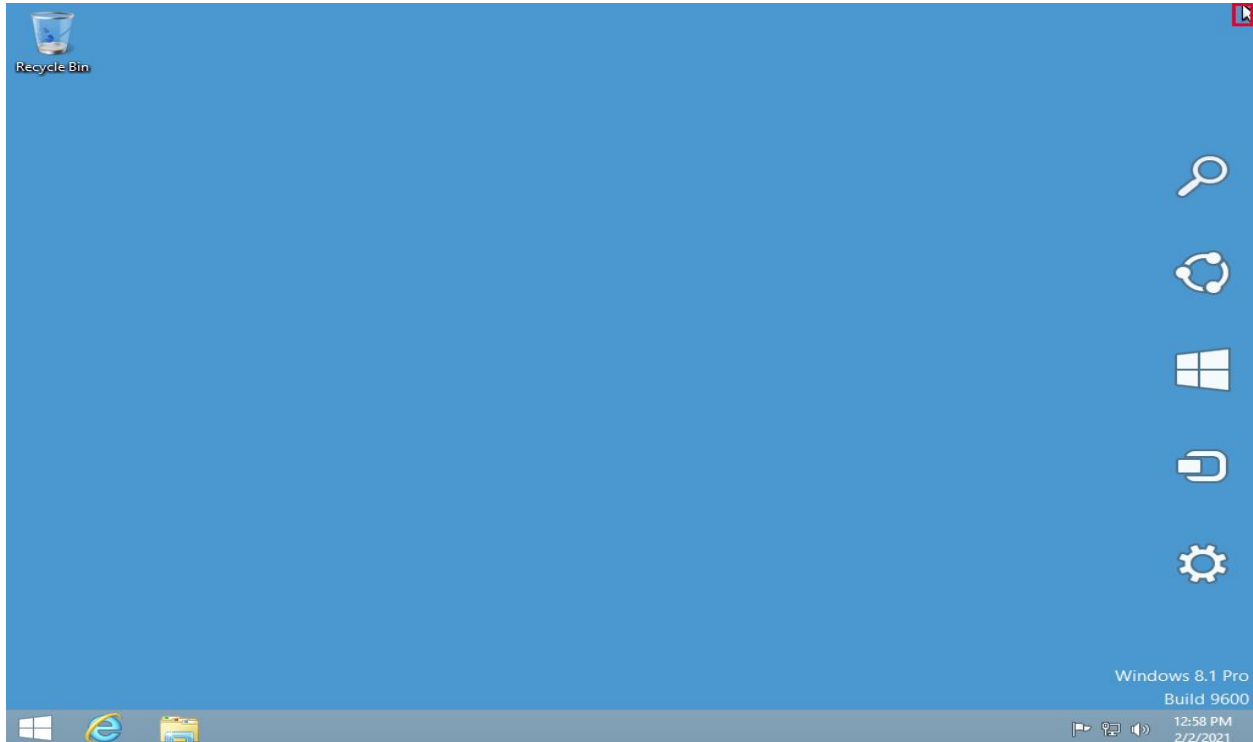
14. Close the **System** dialog box.



15. Verify the **Path variables** for **java**, **maven** and **ant** as demonstrated in video.

Section -III :Steps to access Command Prompt in Window 8

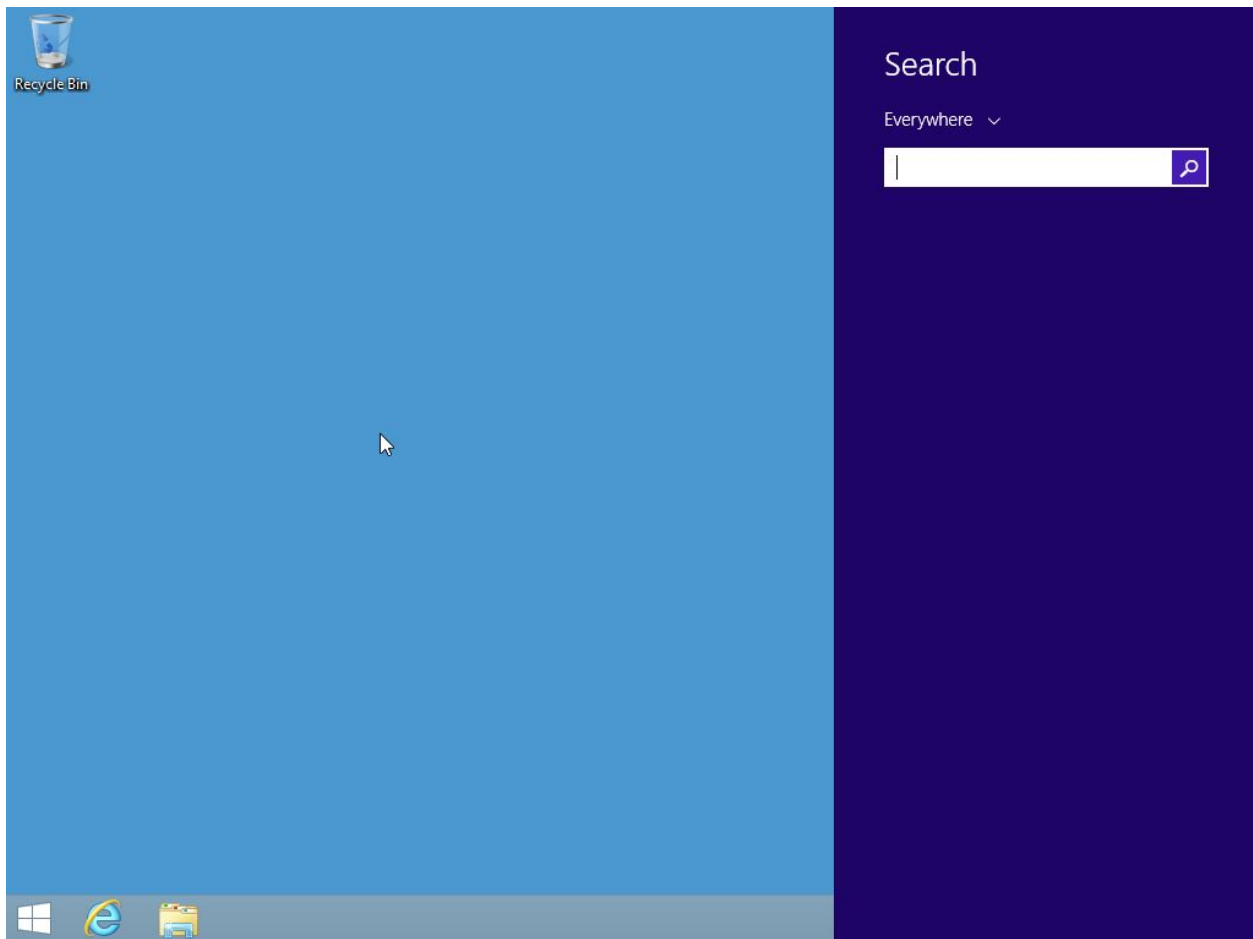
1. Go to **Desktop** and move the mouse cursor to the top right corner as shown. System displays hidden shortcuts.



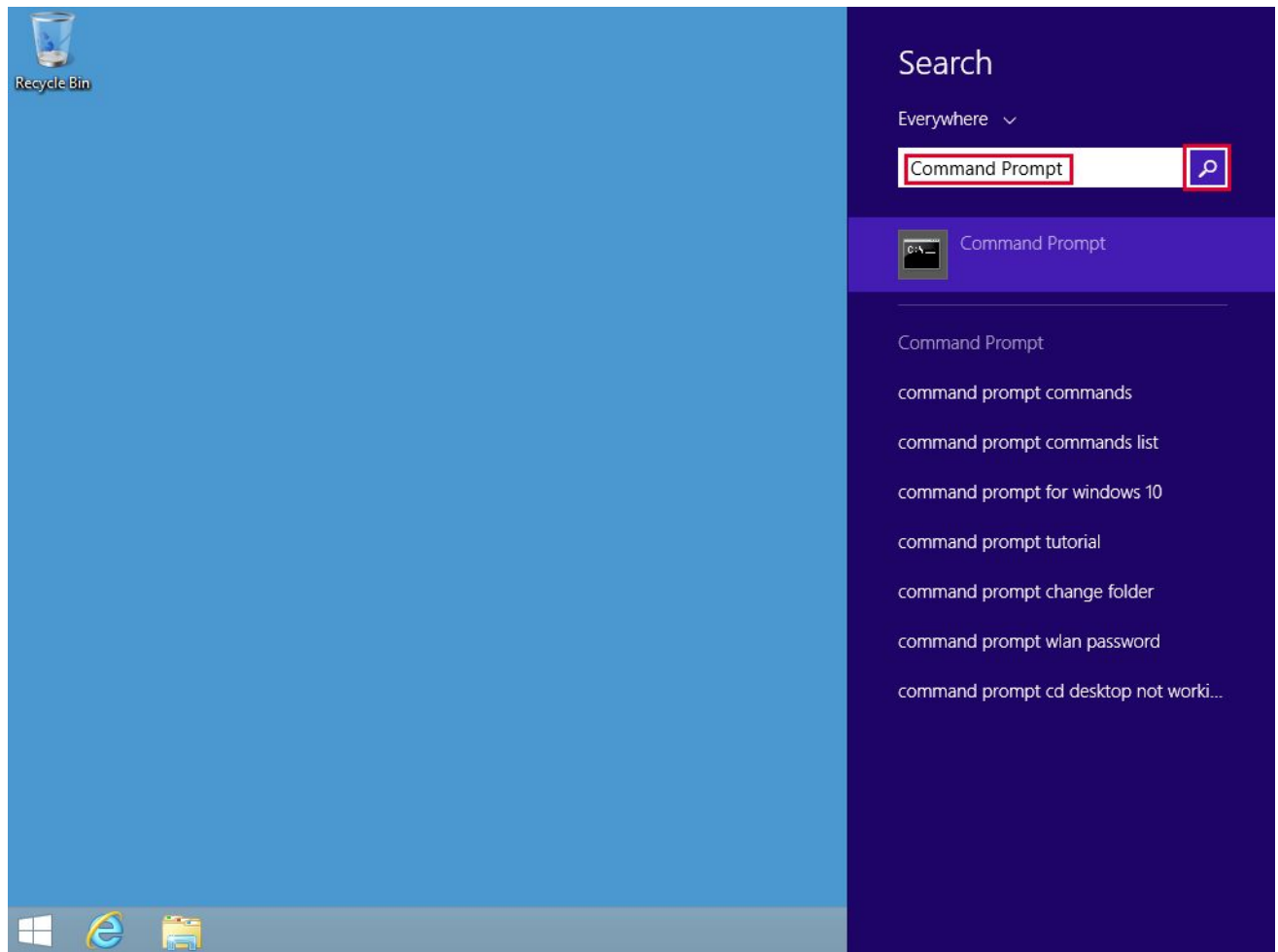
2. Move the cursor to **Search Icon** and click on it.



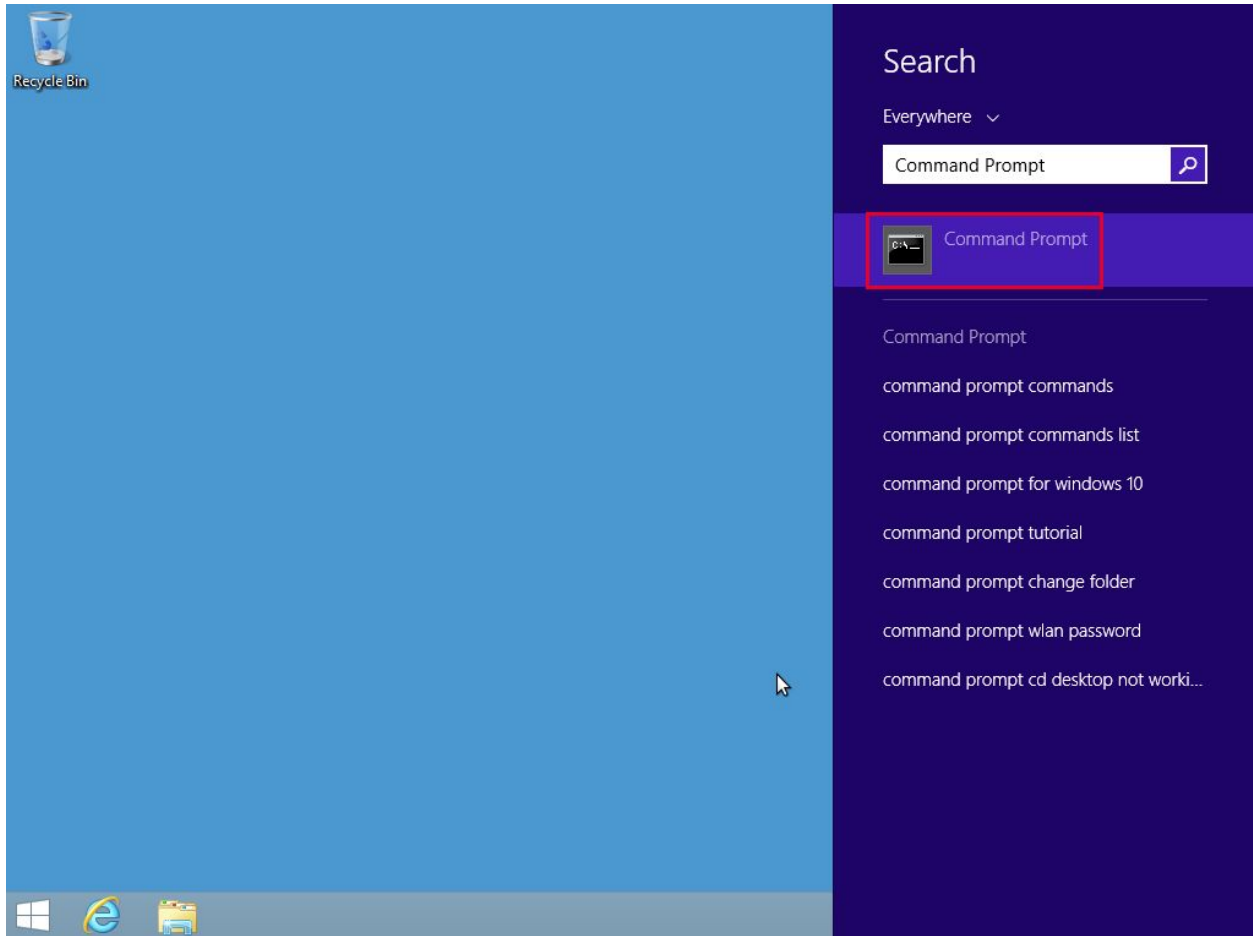
The system displays the **Search bar** as shown.



3. Type **Command Prompt** in the **Search bar** and click on the **Search icon** in the **Search bar**.



4. Click on the **Command Prompt** application shown in the search results.



Command Prompt opens as shown.

