Beginning C++ Programming

Configuring the Path environment variable for MinGW on Windows prior to Windows 10

If you are installing MinGW on Microsoft Windows prior to Windows 10, then the procedure to set the Path environment variable will be different than how I did it in the installation video.

If you are using Windows 10, then please follow the procedure in the course video.

Be sure that you have installed MinGW, and that it is installed in a location such as:

C:\MinGW

Please verify that there are **NO SPACES**, **NO SPECIAL**, **AND NO INTERNATIONAL CHARACTERS** used in the folder name.

What we need to do next is add the following directory name to the Windows Path environment variable.

C:\MinGW\bin

First you need to open the Windows Control Panel. If you aren't sure how to do this, please refer to the following link:

https://support.microsoft.com/en-us/help/13764/windows-where-is-control-panel

Once the Control Panel is open, navigate to **System and Security**, and then **System** and you should see a screen like the one below:

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	🔄 🌛 🔹 🕇 🕎 🕨 Control Pane	el → System and Security → Sy	stem v C Search Control Panel	,P			
2	Control Panel Home	View basic information about your computer					
F	🚱 Device Manager	Windows edition					
	🚱 Remote settings	Windows 8.1 Enterprise					
	🛞 System protection	© 2013 Microsoft Corporat		/indows [®] 8			
	Advanced system settings	rights reserved.					
	Q	System					
		Processor:	Intel(R) Core(TM) i5-3330S CPU @ 2.70GHz 2.77 GHz				
1		Installed memory (RAM):	2.00 GB				
		System type:	32-bit Operating System, x86-based processor				
Ш		Pen and Touch:	No Pen or Touch Input is available for this Display				
		Computer name, domain, and	workgroup settings				

Select Advanced system settings.

System Properties						
Computer Name Hardware Advanced System Protection Remote						
You must be logged on as an Administrator to make most of these changes.						
Visual effects, processor scheduling, memory usage, and virtual memory						
Settings						
User Profiles Desktop settings related to your sign-in						
Settings						
Startup and Recovery						
System startup, system failure, and debugging information						
Settings						
Environment Varia es						
OK Cancel Apply						

and then select **Environment Variables** and you should see a screen like the following:

	ardware	Advanced	System Protection	n Remote		
	Envi	ronment	t Variables			
User variables for walt						
Variable		Value				
TEMP		JSERPROFI	LE%\AppData\Loc	al\Temp		
TMP	%L	%USERPROFILE% \AppData \Local \Temp				
	1	New	Edit	Delete		
System variable	rs	New	Edit	Delete		
System variable Variable	t s Vali	vew	Edit	Delete		
System variable Variable NUMBER_OF_	rs Valu P 1	vew	Edit	Delete		
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System variable Variable NUMBER_OF_ OS Path PATHEXT	s Valu P 1 Wir C:\ .cc	vew ue Modows_NT Windows\s DM;.EXE;.B	Edit ystem32;C:\Windc AT;.CMD;.VBS;.VB	Delete ws;C:\ E;.JS;		
System variable Variable NUMBER_OF_ OS Path PATHEXT	rs Valu P 1 Wir C:\ .CC	vew ue Windows_NT Windows\s DM;.EXE;.B	Edit ystem32;C:\Windo AT;.CMD;.VBS;.VB Edit	Delete wws;C:\ E;.JS; Delete		

Under **System Variables**, scroll down until you see the **Path** variable. Select it and click **Edit**.

Then add the following to the end of the path in the Variable value textbox as shown below.

;C:\MinGW\bin

Please be very careful and be sure you APPEND this path to the existing Path. Be sure NOT to delete anything!

	Edit System Variable
Variable name: Variable value:	Path 2\WindowsPowerShell\v1.0\;C:\minGW\bin OK Cancel

Click **OK** several times until you exit the Control Panel.

At this point your Path environment variable is set.