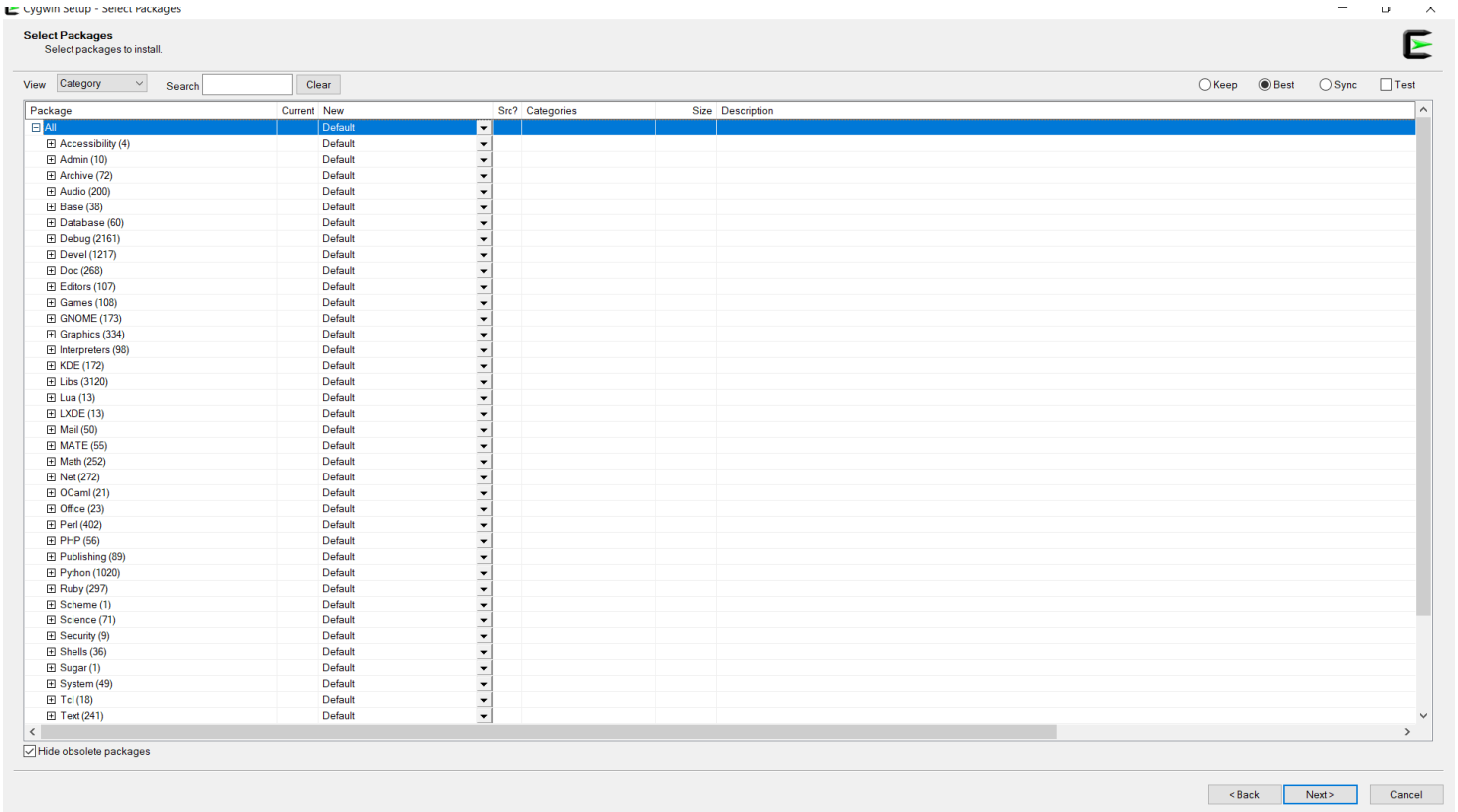
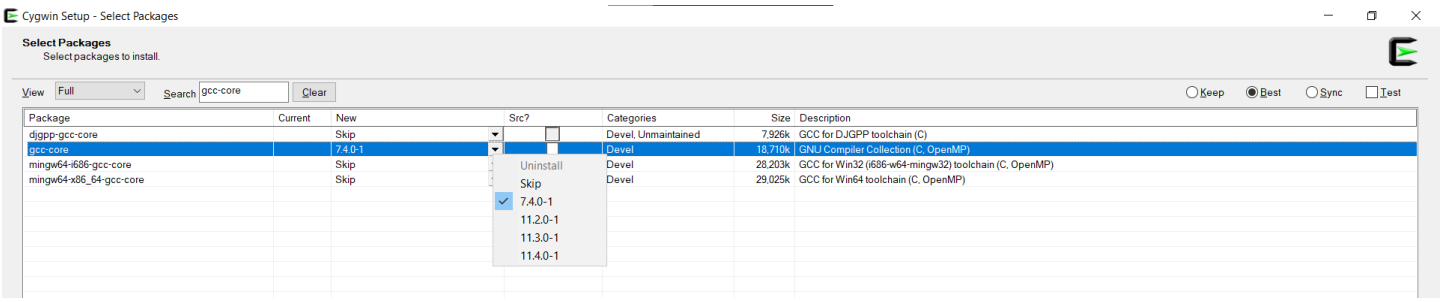
[Software installation for gcc & gdb]

1. Download Cygwin installer from https://www.cygwin.com/install.html
2. Run the .exe, choose path etc. Note that while choosing path there should be no space for the root directory path.

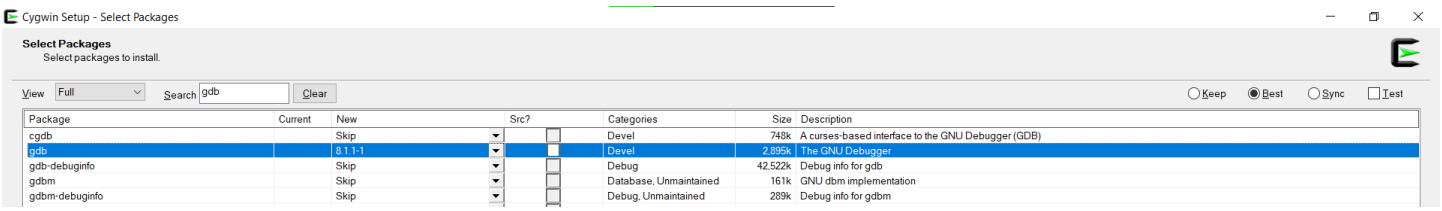


3. After Configuring all the paths, there will be new popup (snip below):

4. Make View as “Full” from the drop-down menu.
5. Select:
   a) gcc-core in the search menu & make sure in the “new column” it indicates a version like below (it does not show the bin directory)

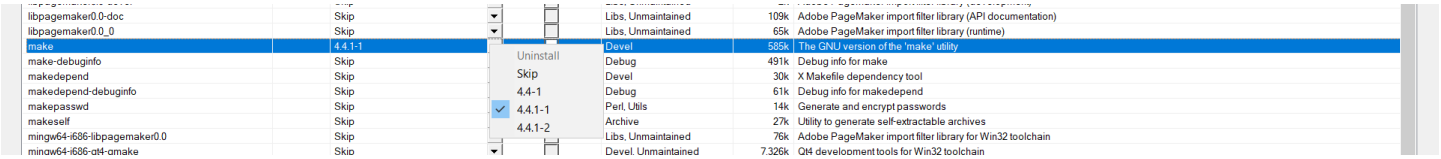


   b) Search gdb & make sure in the “new column” it indicates a version like below (it does not show the bin directory)

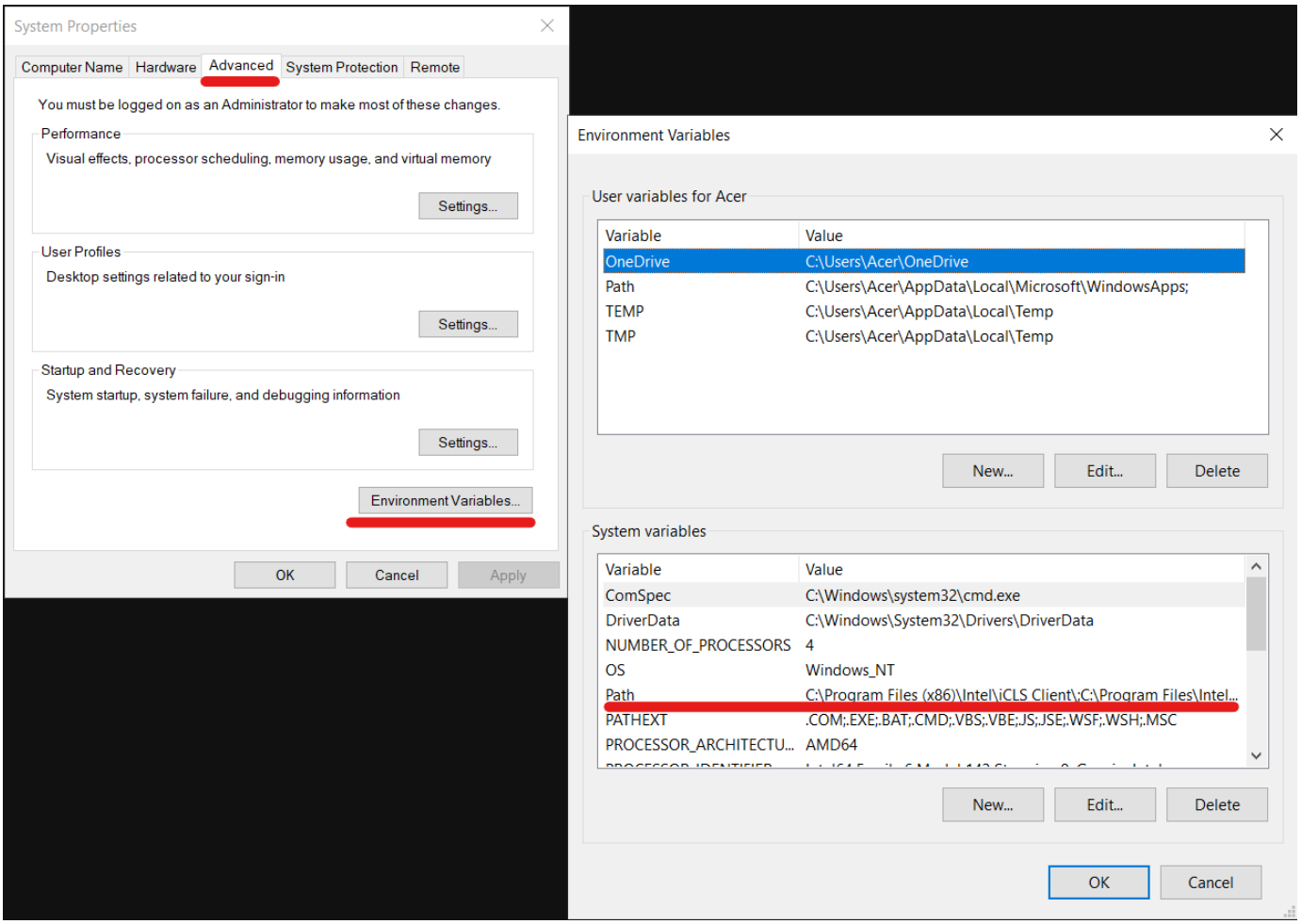


Continue…

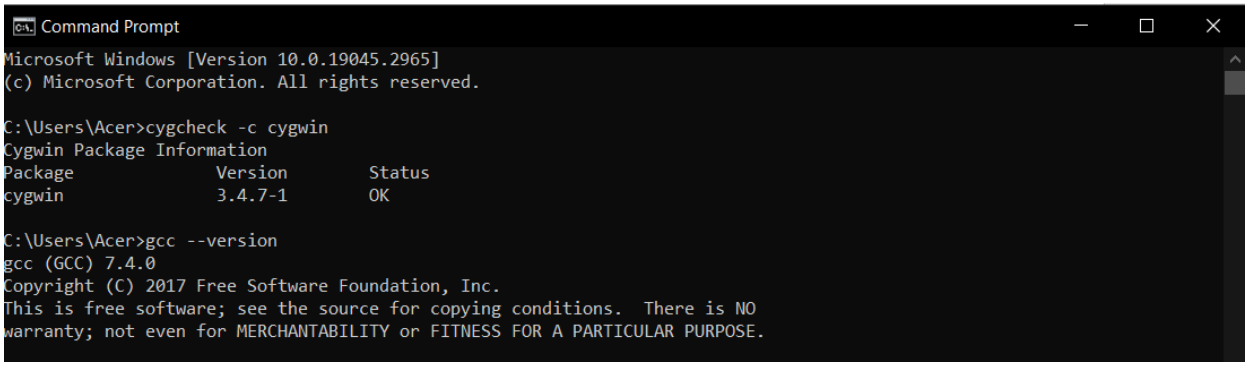
c) Search make & make sure in the “new column” it indicates a version like below (it does not show the bin directory)

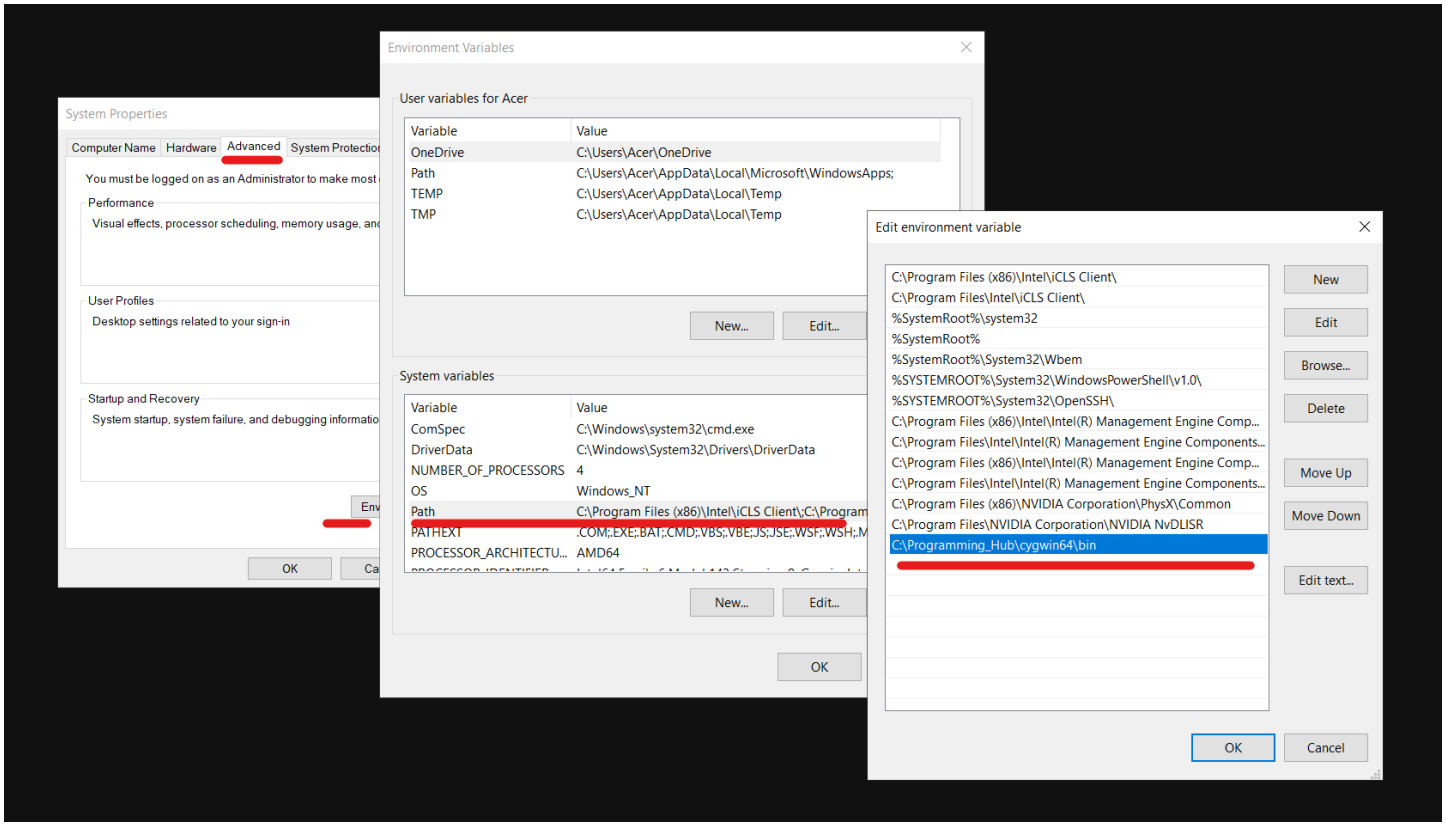


6. Now all the packages required are selected, by clicking Next, we can check if the installation has been finished.
7. After all installation has been finished go to Cygwin installed directory i.e., something like C:***\cygwin64\bin & copy this path.
8. Go to Control Panel\System and Security\System & click on Advanced system settings.
9. After opening go to the advanced tab & click on environment variables



10. Choose path & click on edit (All under system variables window)
11. Click on new & add the path in that space & click OK to confirm.
12. Once all done, now we can verify if this works from CMD.




System Properties
Computer Name
Hardware
Advanced
System Protectio
You must be logged on as an Administrator to make most
Performance
Visual effects, processor scheduling, memory usage, an
User Profiles
Desktop settings related to your sign-in
Startup and Recovery
System startup, system failure, and debugging informatio
Env
OK
Ca
Environment Variables
User variables for Acer
Variable
Value
OneDrive
C:\Users\Acer\OneDrive
Path
C:\Users\Acer\AppData\Local\Microsoft\WindowsApps;
TEMP
C:\Users\Acer\AppData\Local\Temp
TMP
C:\Users\Acer\AppData\Local\Temp
New...
Edit...
System variables
Variable
Value
ComSpec
C:\Windows\system32\cmd.exe
DriverData
C:\Windows\System32\Drivers\DriverData
NUMBER_OF_PROCESSORS
4
OS
Windows_NT
Path
C:\Program Files (x86)\Intel\iCLS Client\;C:\Program
PATHEXT
.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.M
PROCESSOR_ARCHITECTU...
AMD64
New...
Edit...
OK
Edit environment variable
C:\Program Files (x86)\Intel\iCLS Client\
C:\Program Files\Intel\iCLS Client\
%SystemRoot%\system32
%SystemRoot%
%SystemRoot%\System32\Wbem
%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\
%SYSTEMROOT%\System32\OpenSSH\
C:\Program Files (x86)\Intel\Intel(R) Management Engine Comp...
C:\Program Files\Intel\Intel(R) Management Engine Components...
C:\Program Files (x86)\Intel\Intel(R) Management Engine Comp...
C:\Program Files\Intel\Intel(R) Management Engine Components...
C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common
C:\Program Files\NVIDIA Corporation\NVIDIA NvDLISR
C:\Programming_Hub\cygwin64\bin
New
Edit
Browse...
Delete
Move Up
Move Down
Edit text...
OK
Cancel