Micro-Controller Experiment

Week1

Teacher: 廖裕評 Yu-Ping Liao

TA: 陳大荃 Da-chuan Chen, 陳恩妮 En-ni Chen

Class Rules

1. No drink besides water.
2. Bring a laptop and breadboard if needed.
3. Ask us TAs to sign and borrow development boards. Do not sign or ask others to sign for you without TAs' permission.
4. Arriving 10 minutes after the bell rings will be regarded as absent.
5. If you damage any borrowed equipment, you have to pay for it.

Homework Rules

1. Includes: A. Class content, B. Class exercise, C. Homework (screenshot or video)
2. Editing software: MS PowerPoint
3. File format: PDF
4. Filename: "date_group_studentID_name.pdf", like "0916_第1組_11028XXX_陳OO.pdf"
5. The homework deadline is 23:59 of the day before the next class. If you are late, then your grade will be deducted.

Contact

If you encounter any problems with this class, please get in touch with us with the following

E-mails:

1. Teacher, Prof. Yu-Ping Liao 廖裕評： lyp@cycu.org.tw
2. TA, Da-chuan Chen 陳大荃： dachuan516@gmail.com
3. TA, En-ni Chen 陳恩妮： anna7125867@gmail.com

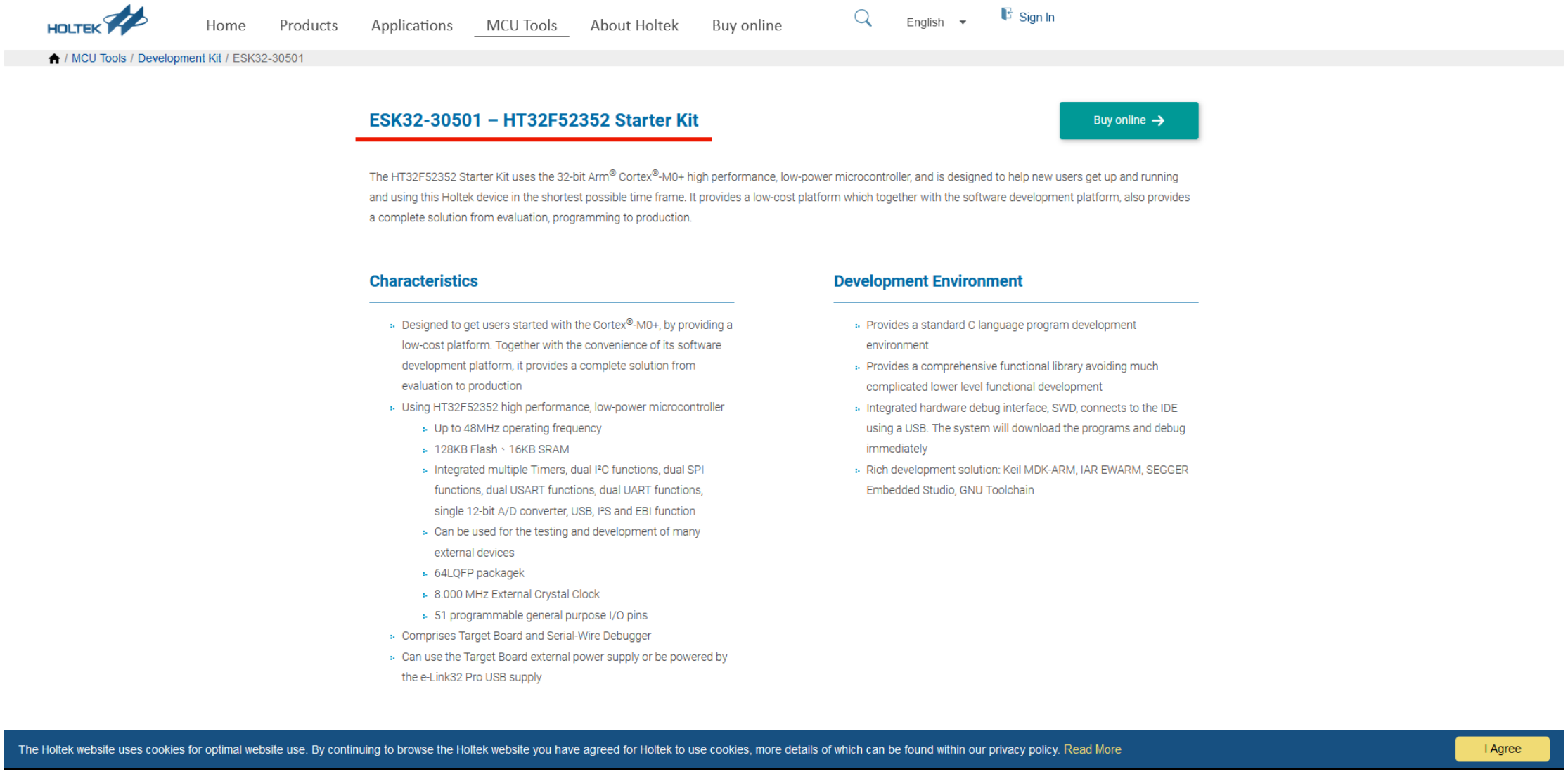
Or visit 篤信 Lab353 for further questions.

Outline of the Week

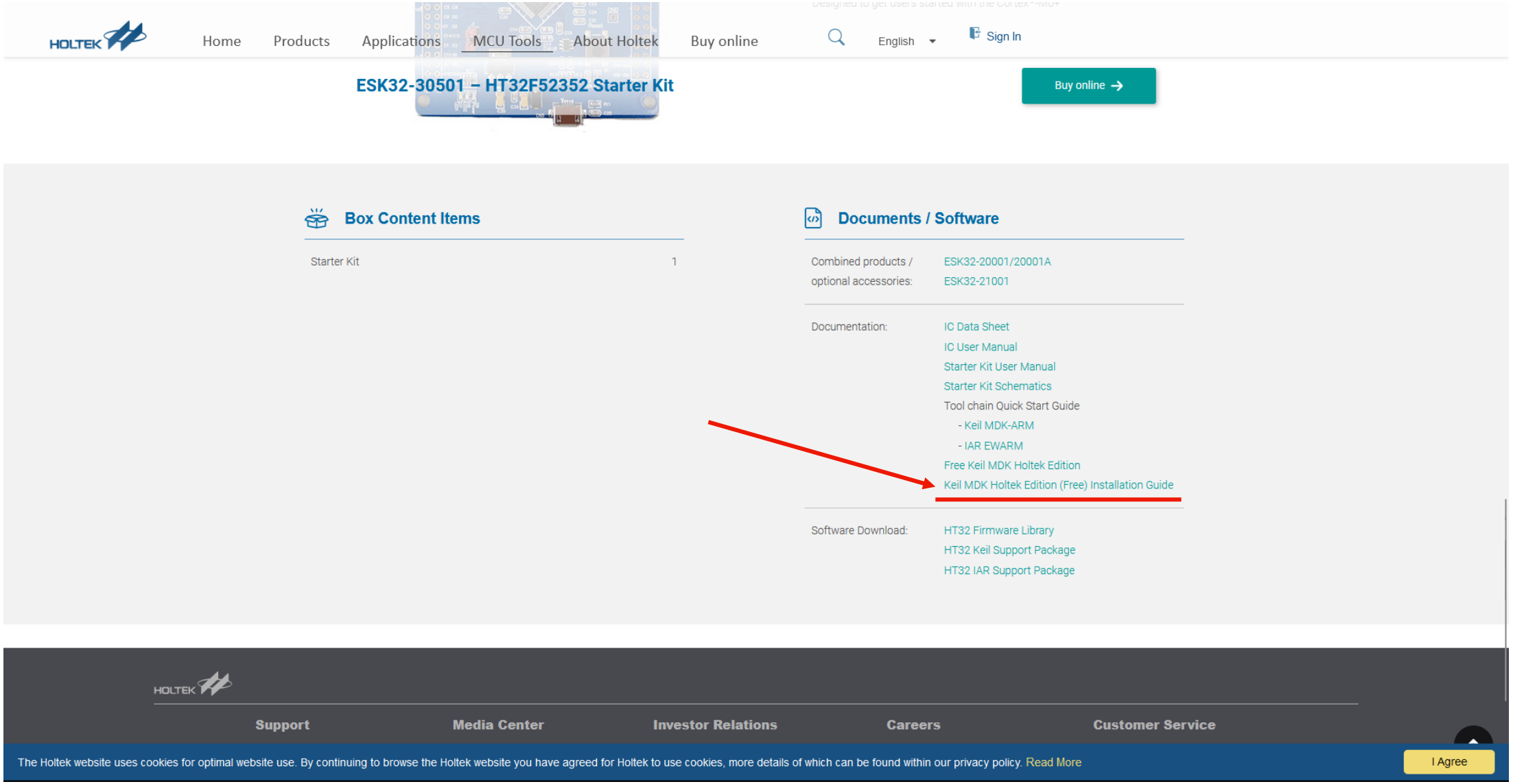
1. Find installation guides.
2. IDE installation.
3. Firmware library installation.
4. Create a new project.
5. Homework W1-1.

Find Installation Guides

1. Look for info page



2. Look for documentation.

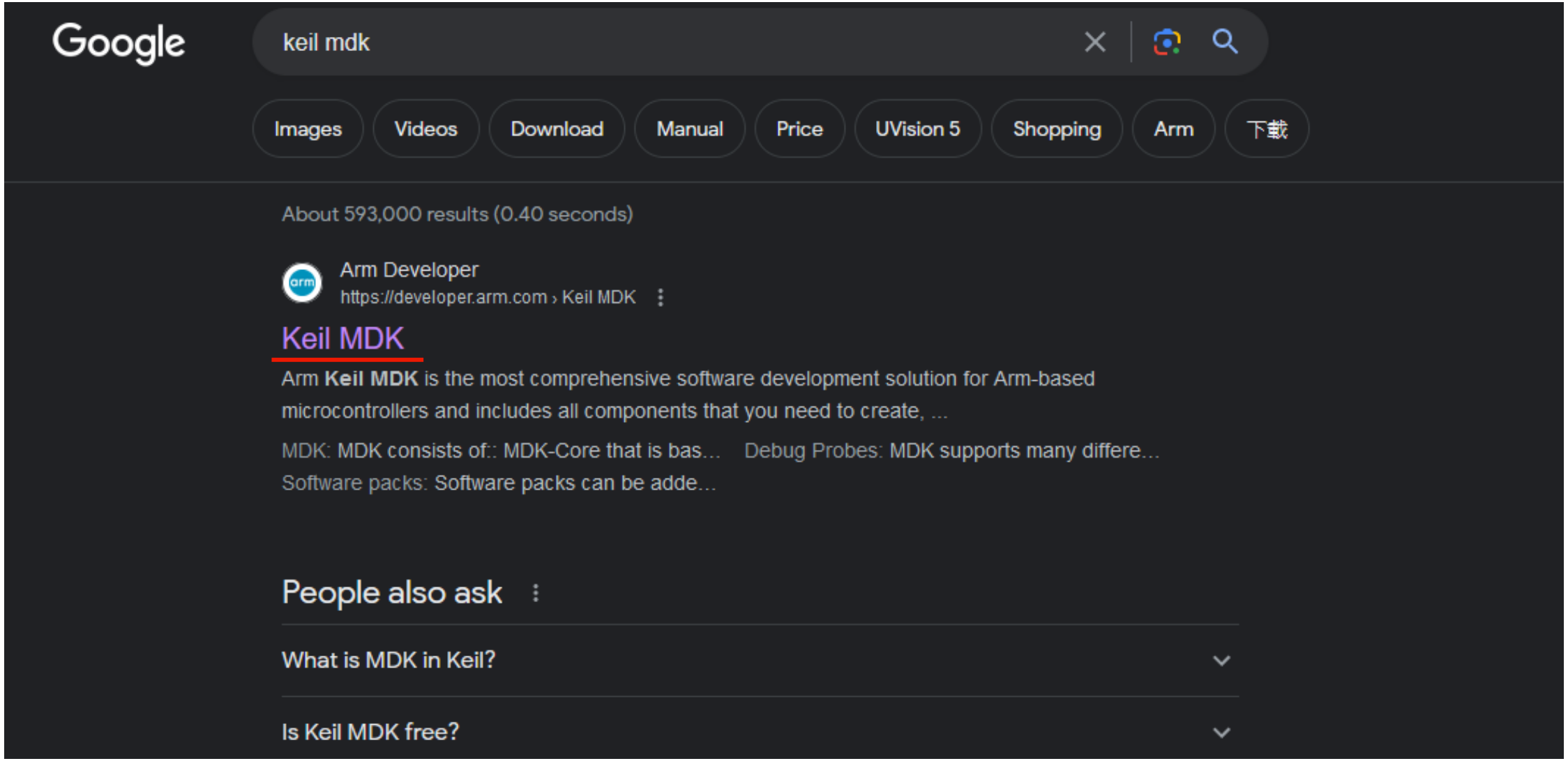


IDE Installation

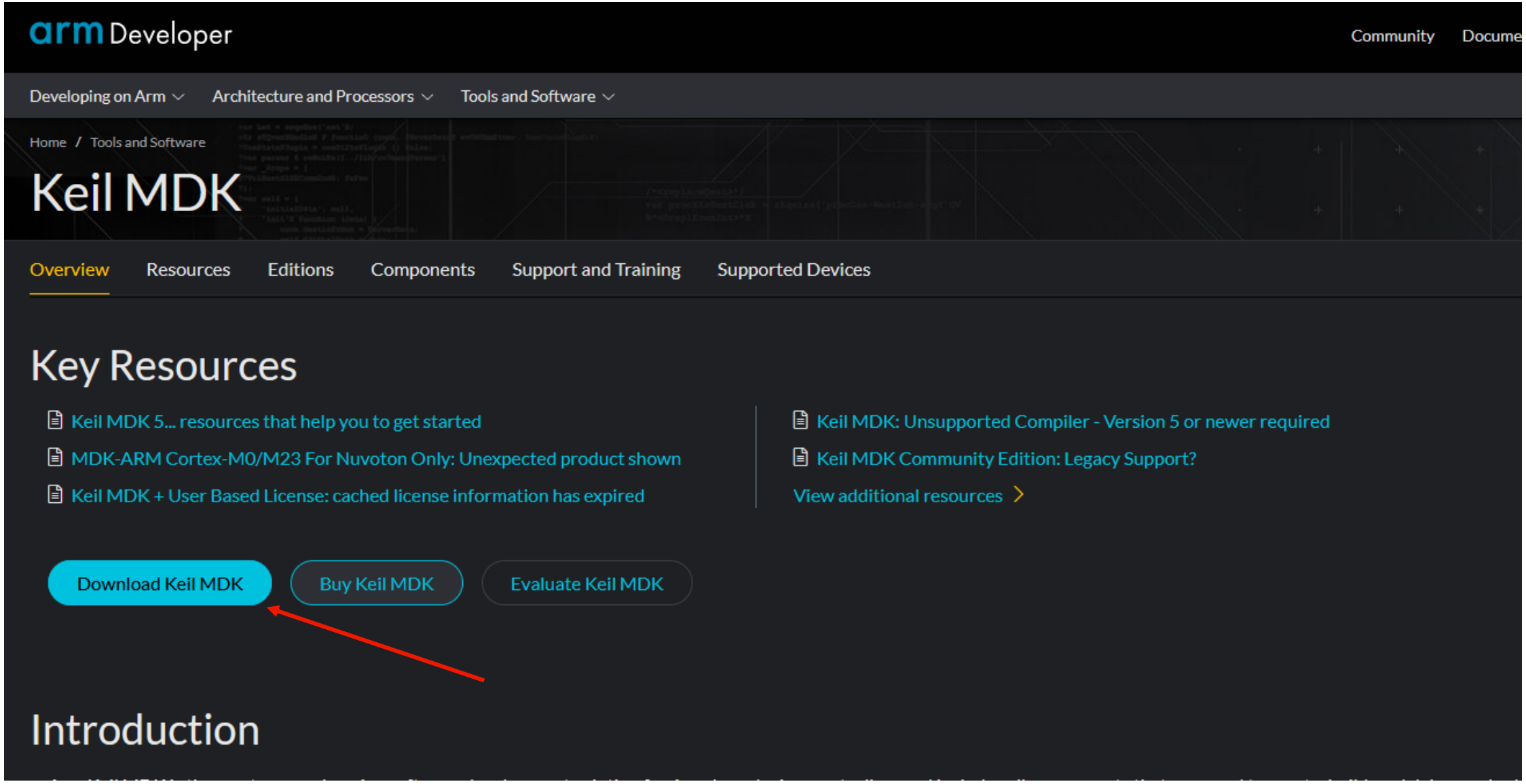
IDE, Integrated Development Environment

1. Search “Keil MDK”

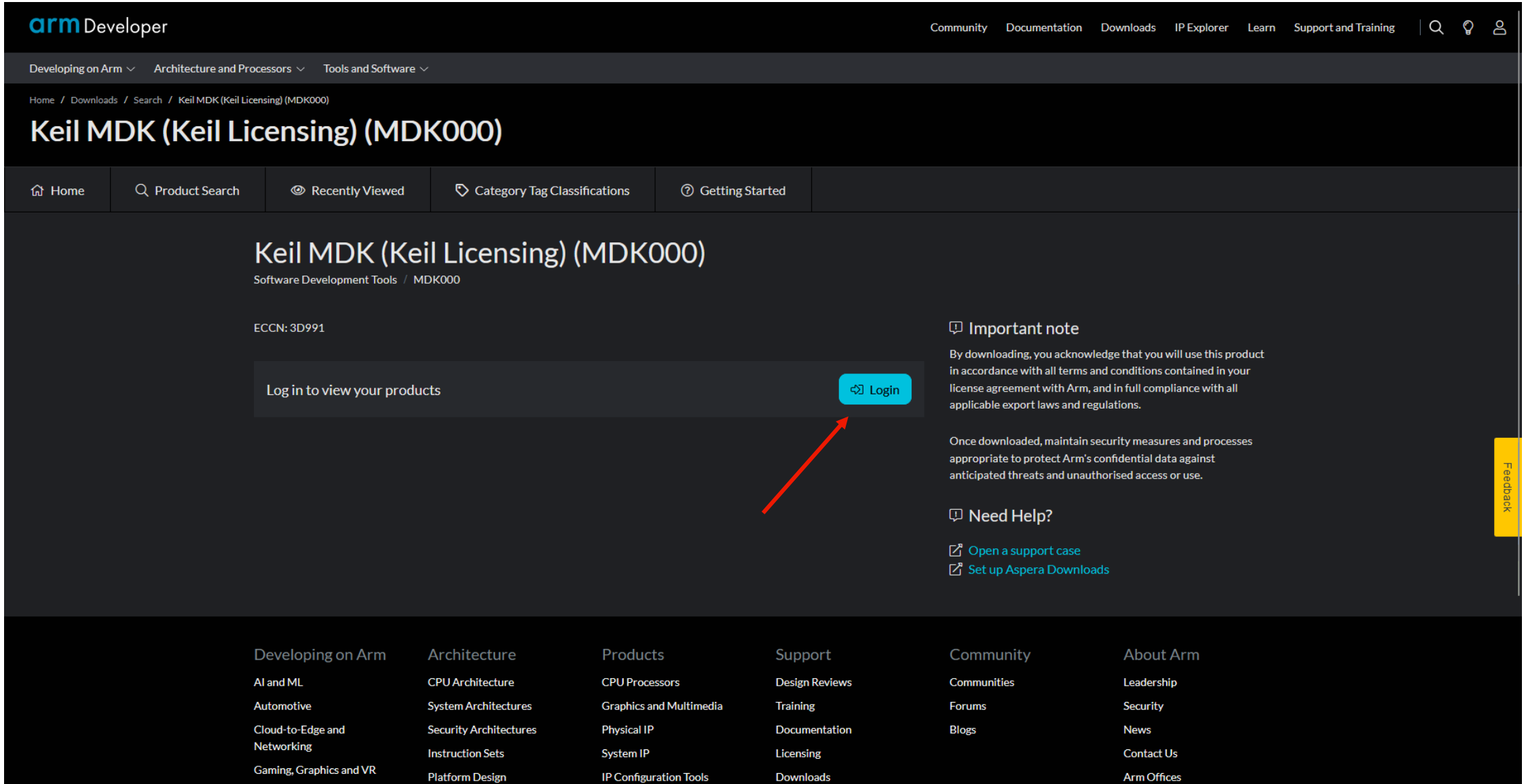
MDK, Microcontroller Development Kit



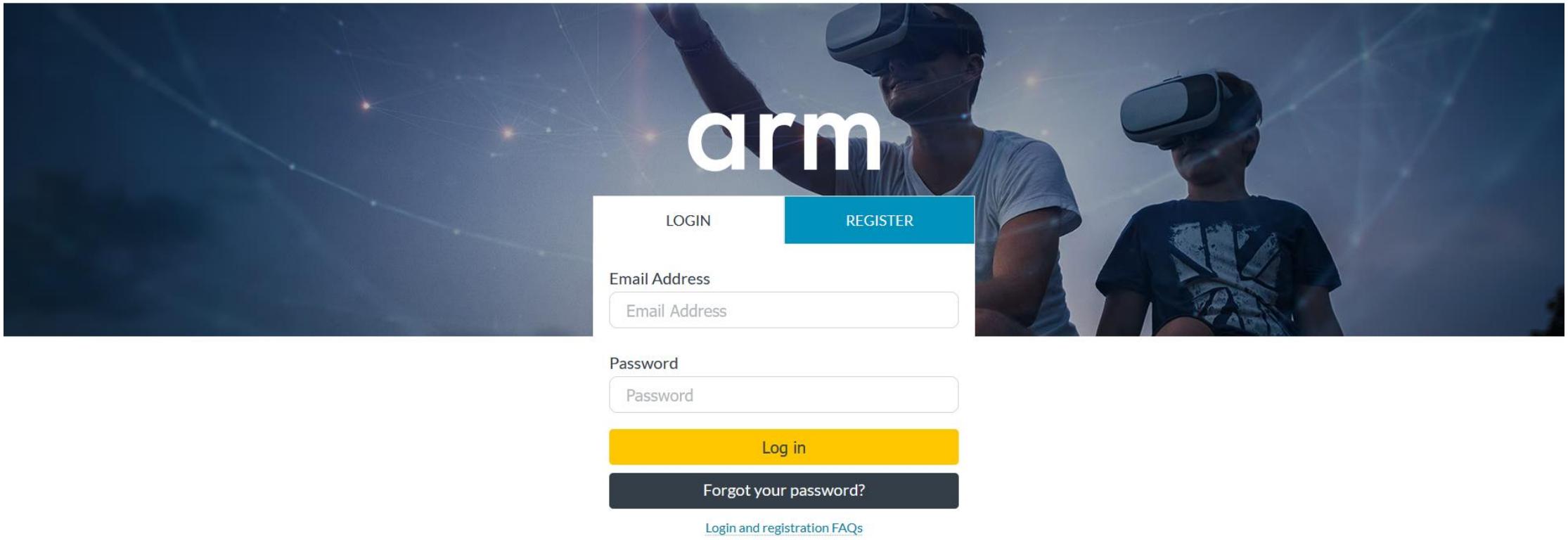
2. Click “Download Keil MDK”



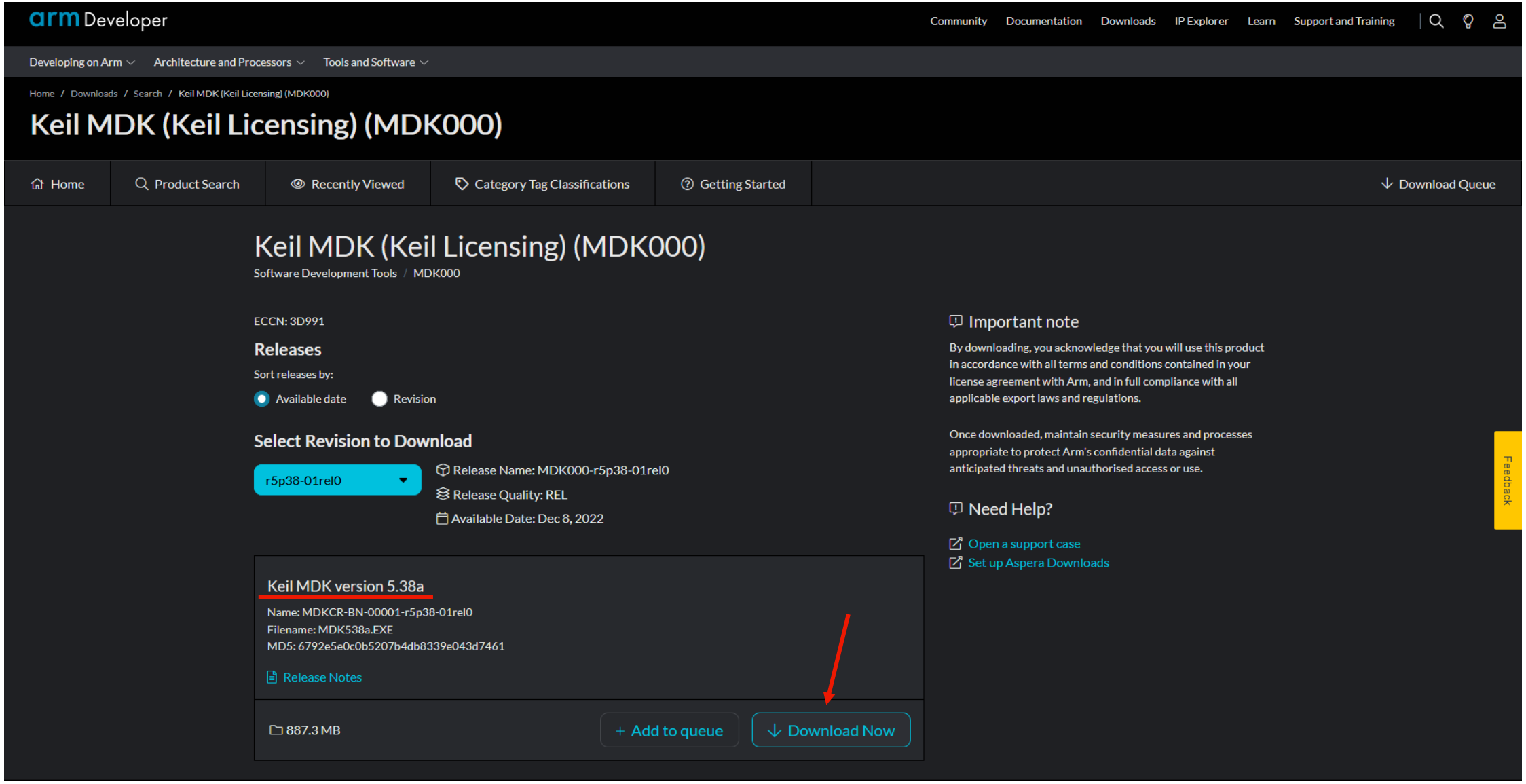
3. Click “Login”



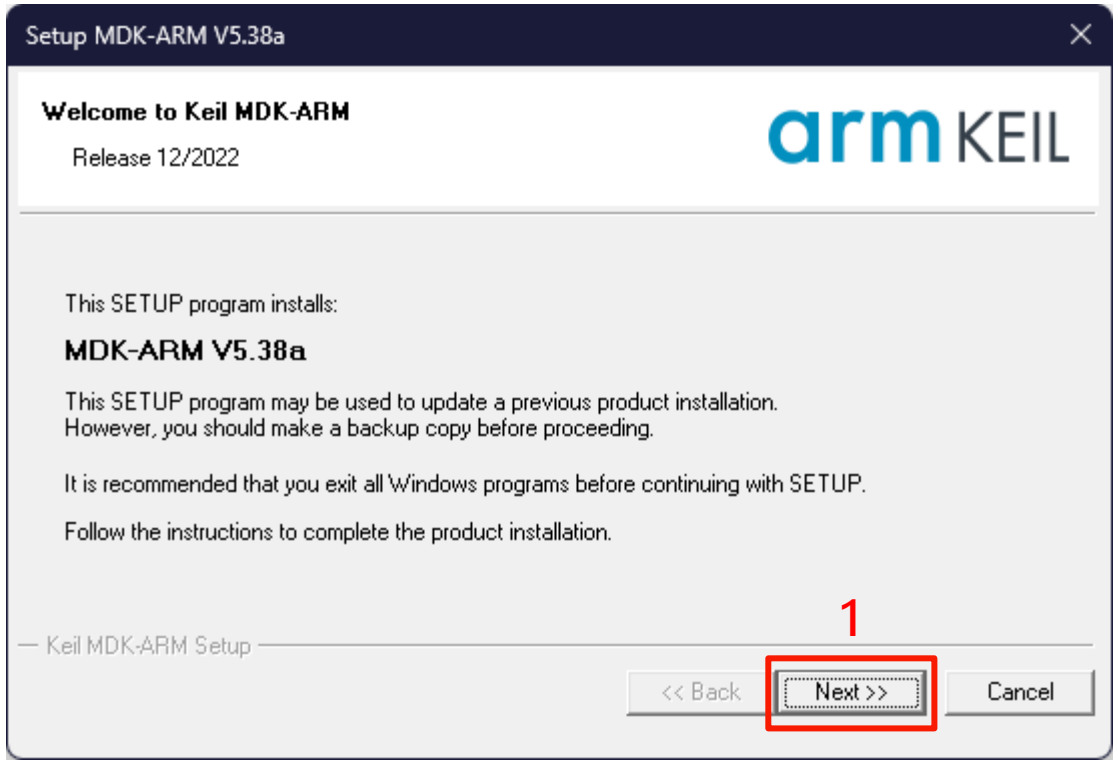
4. Login or Register

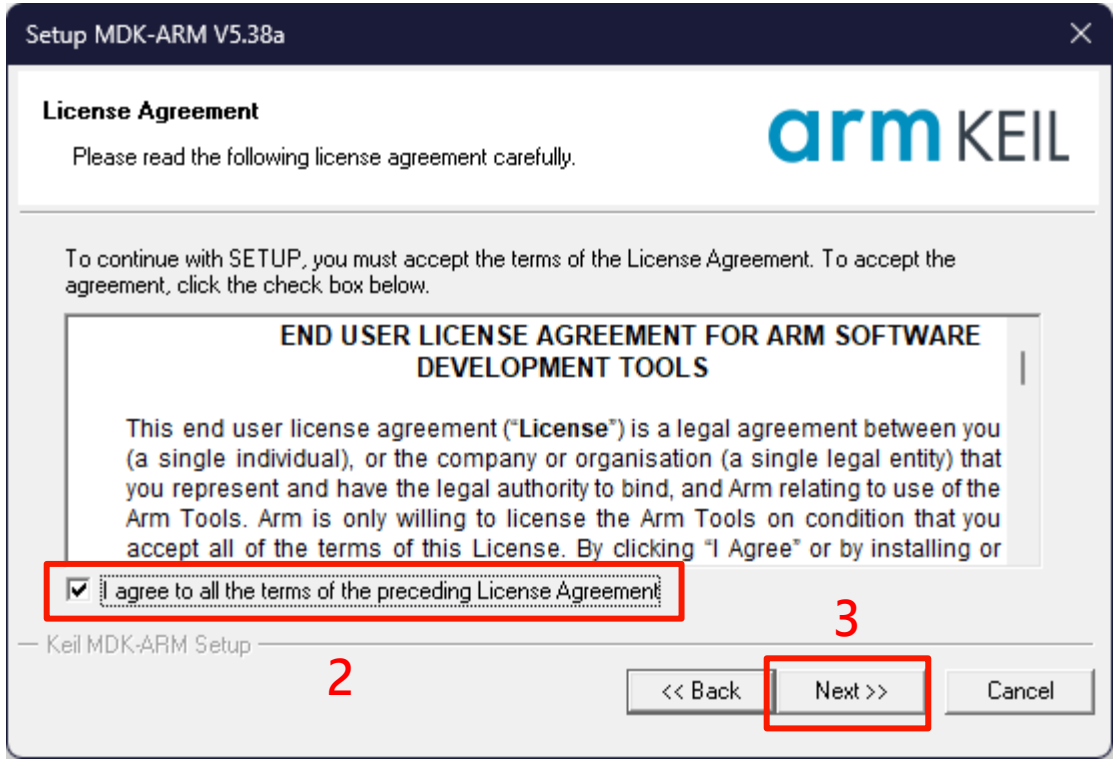


5. Click “Download Now”



6. Execute “MDK538a.EXE”





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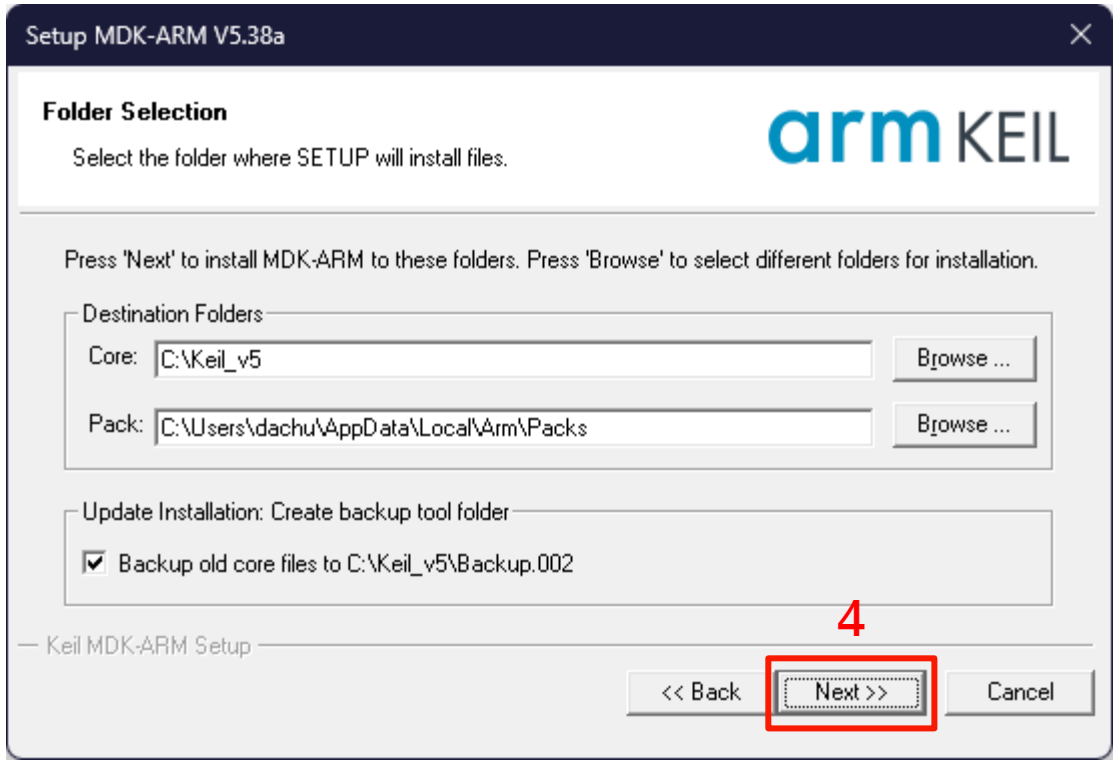

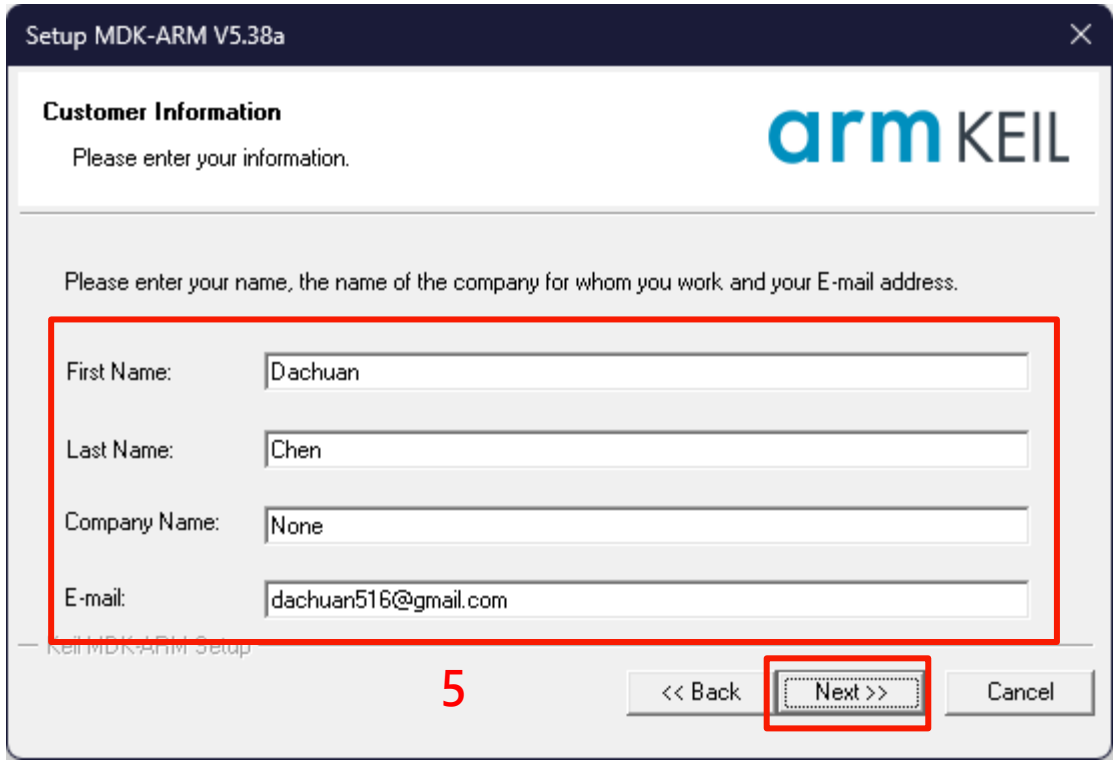

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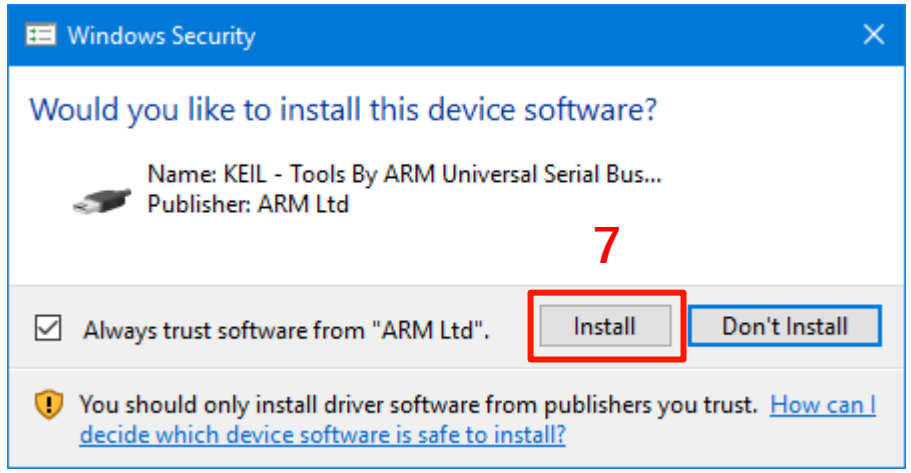
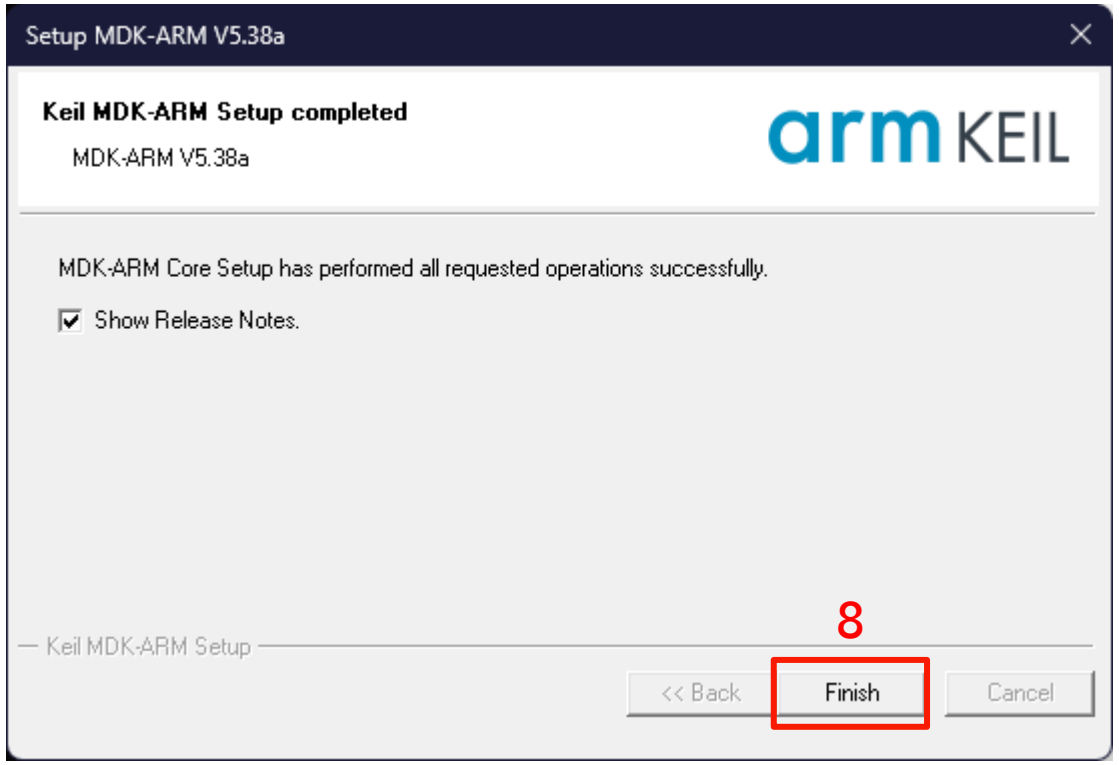
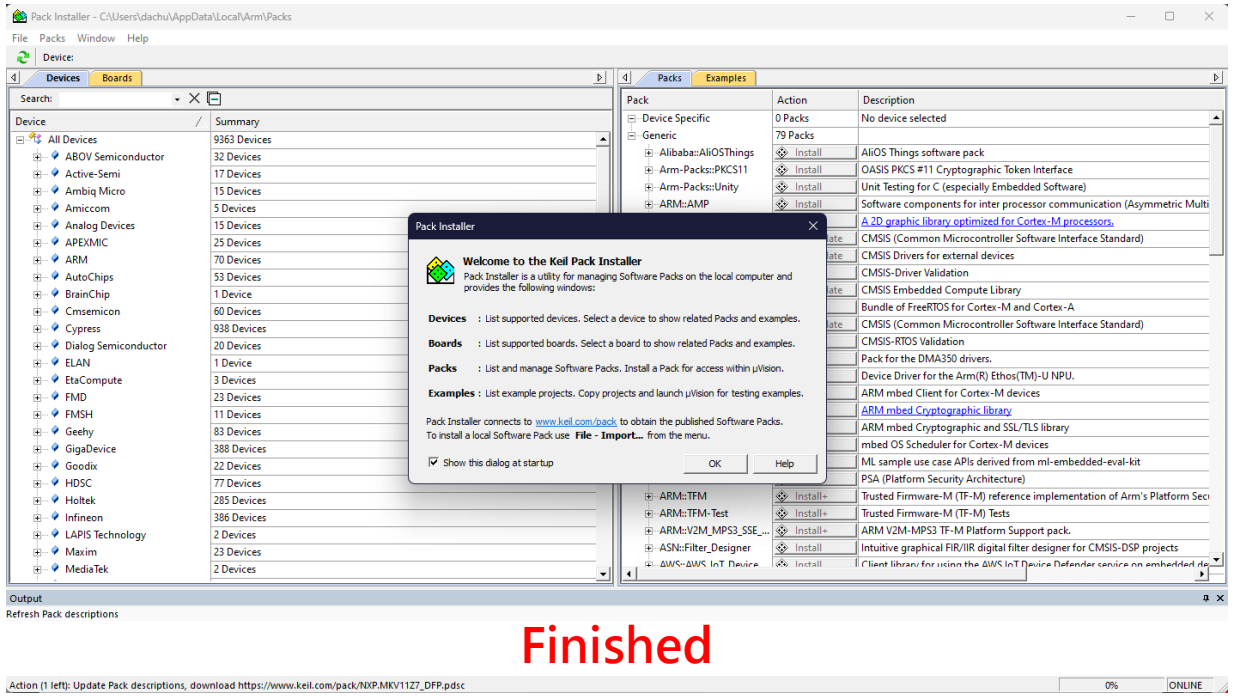


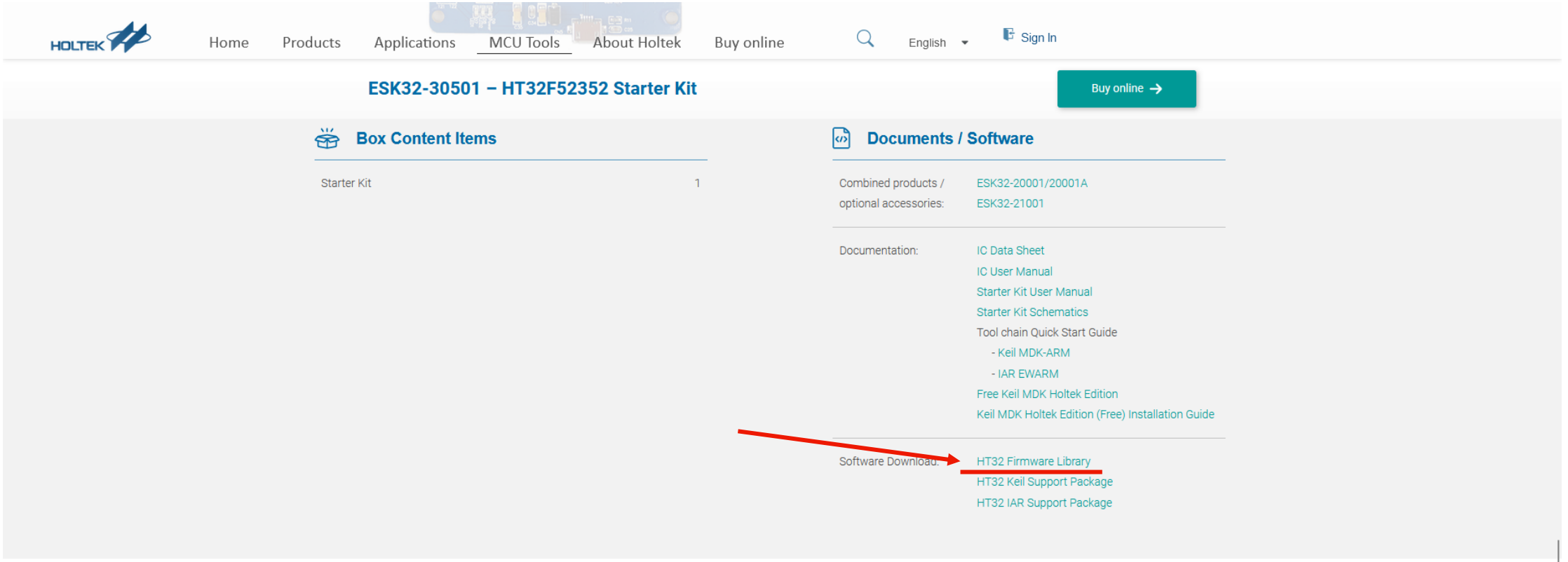


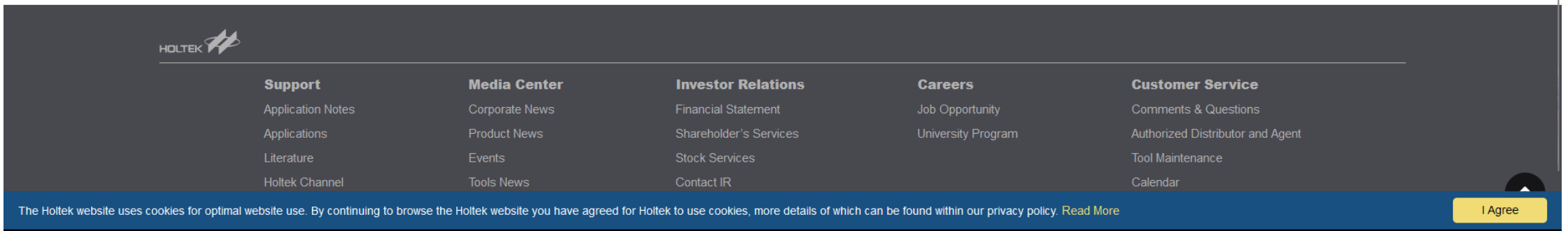


Firmware Library Installation

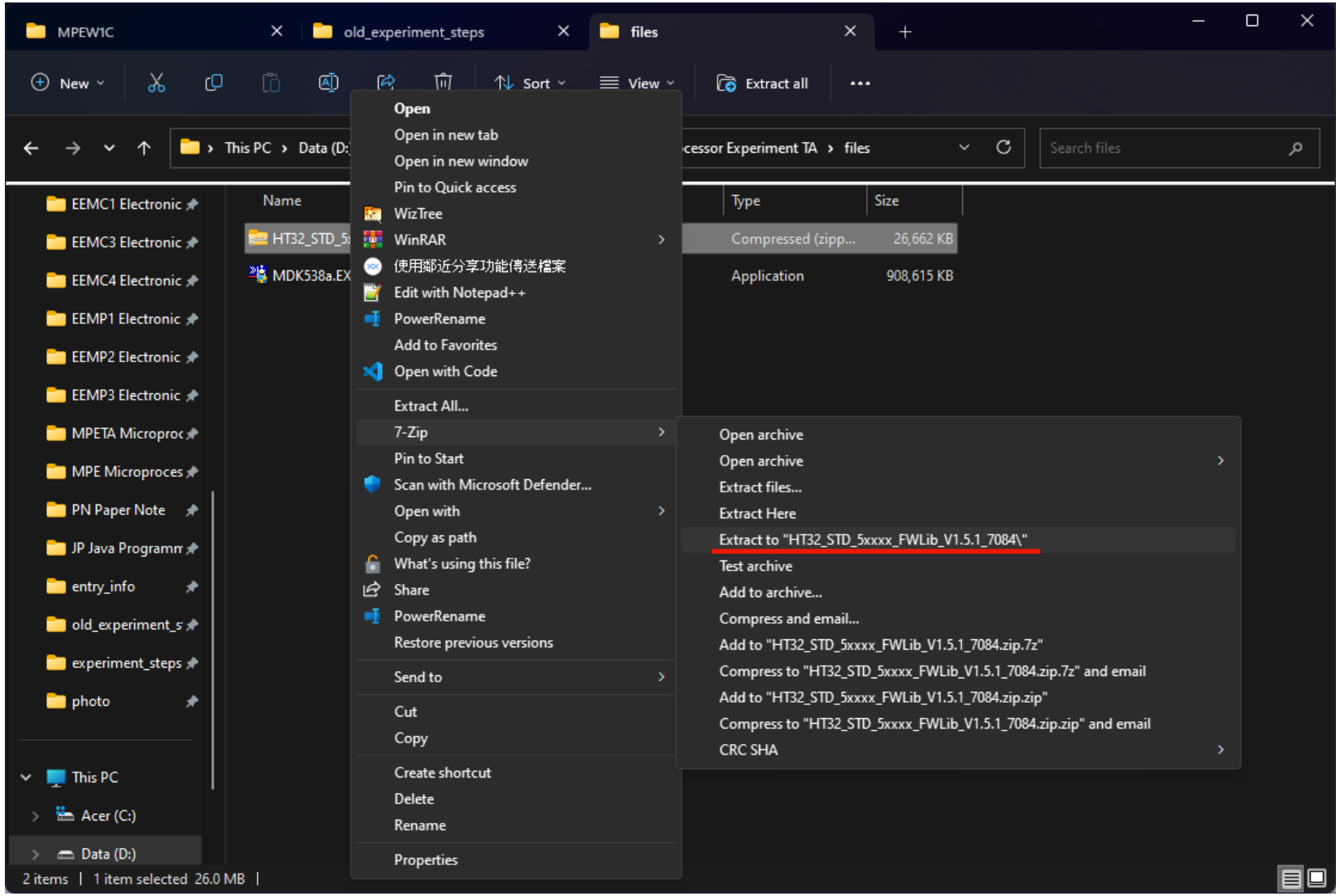
1. Download “HT32 Firmware Library”

https://www.holtek.com/esk32-30501

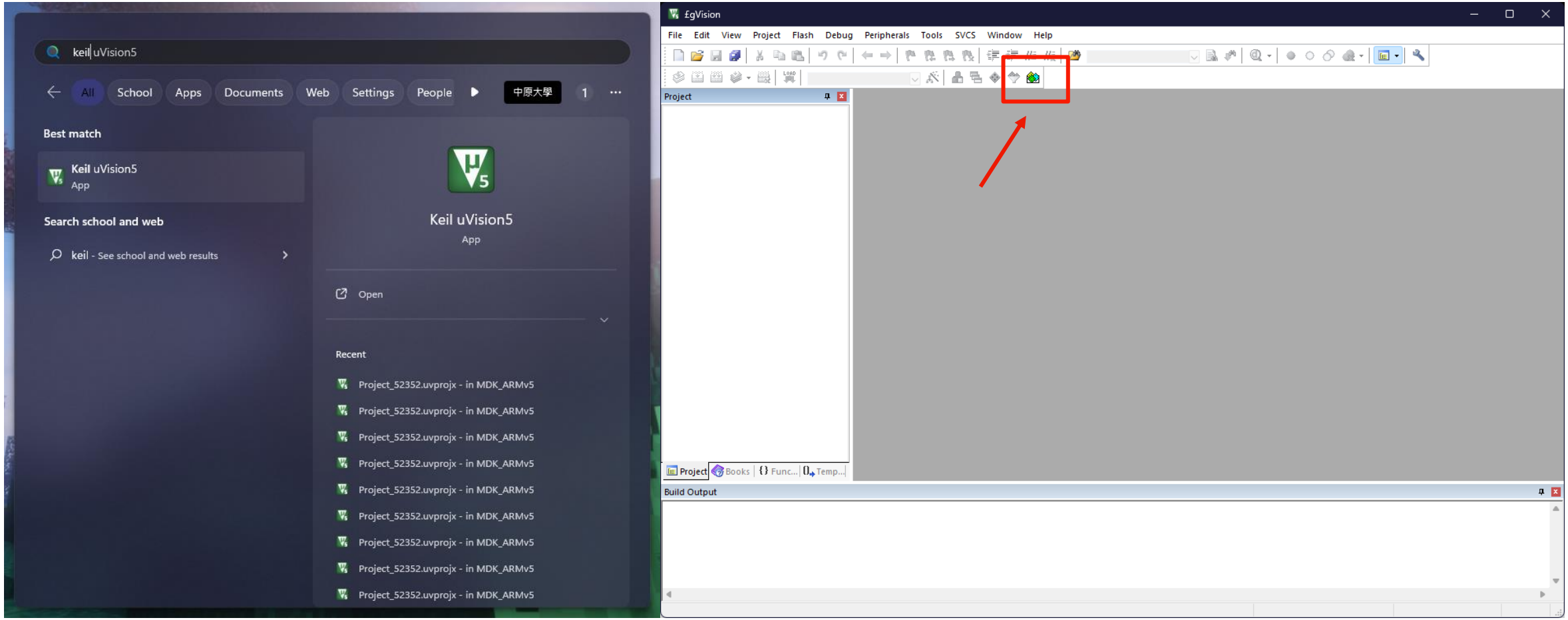




2. Extract downloaded ZIP file



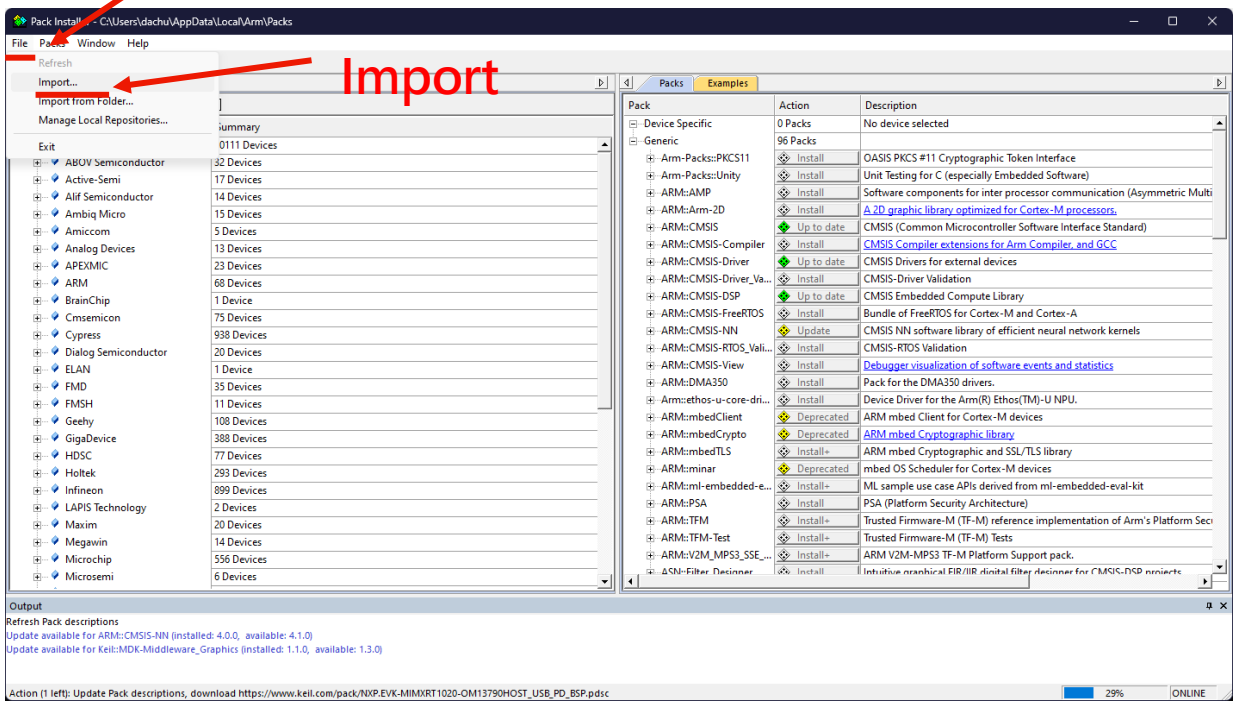
3. Execute “Keil uVision5” and Click “Pack Installer”

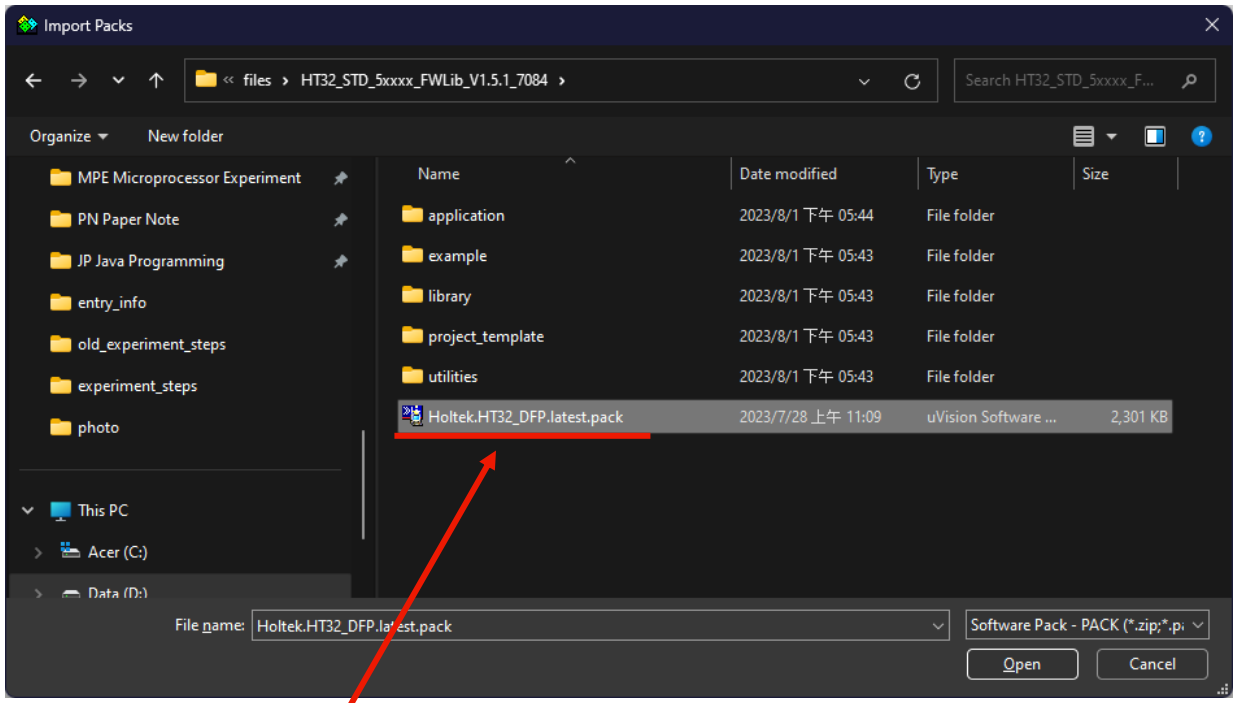


4. Import HT32 pack

File

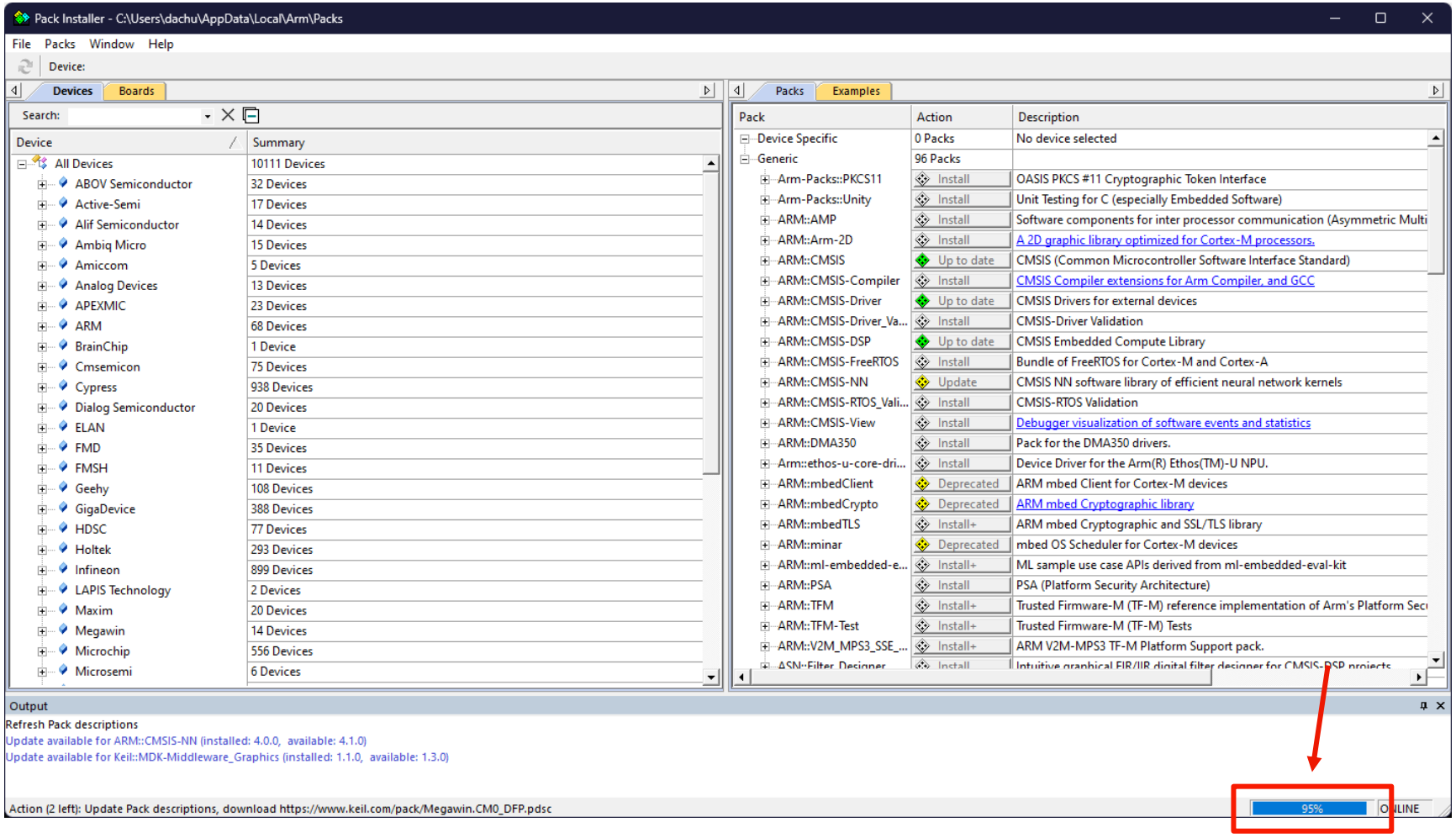
Import





~/HT32_STD_5xxxx_FWLib_V1.5.1_7084/Holtek.HT32_DFP.latest.pack

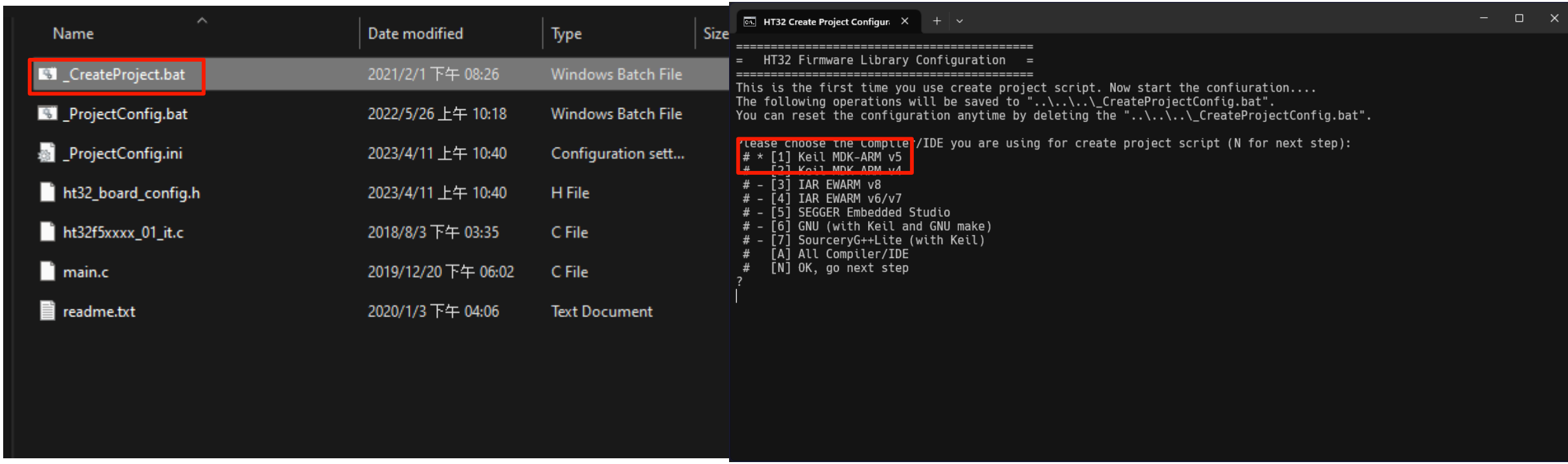
5. Wait till progress is finished. (100%)



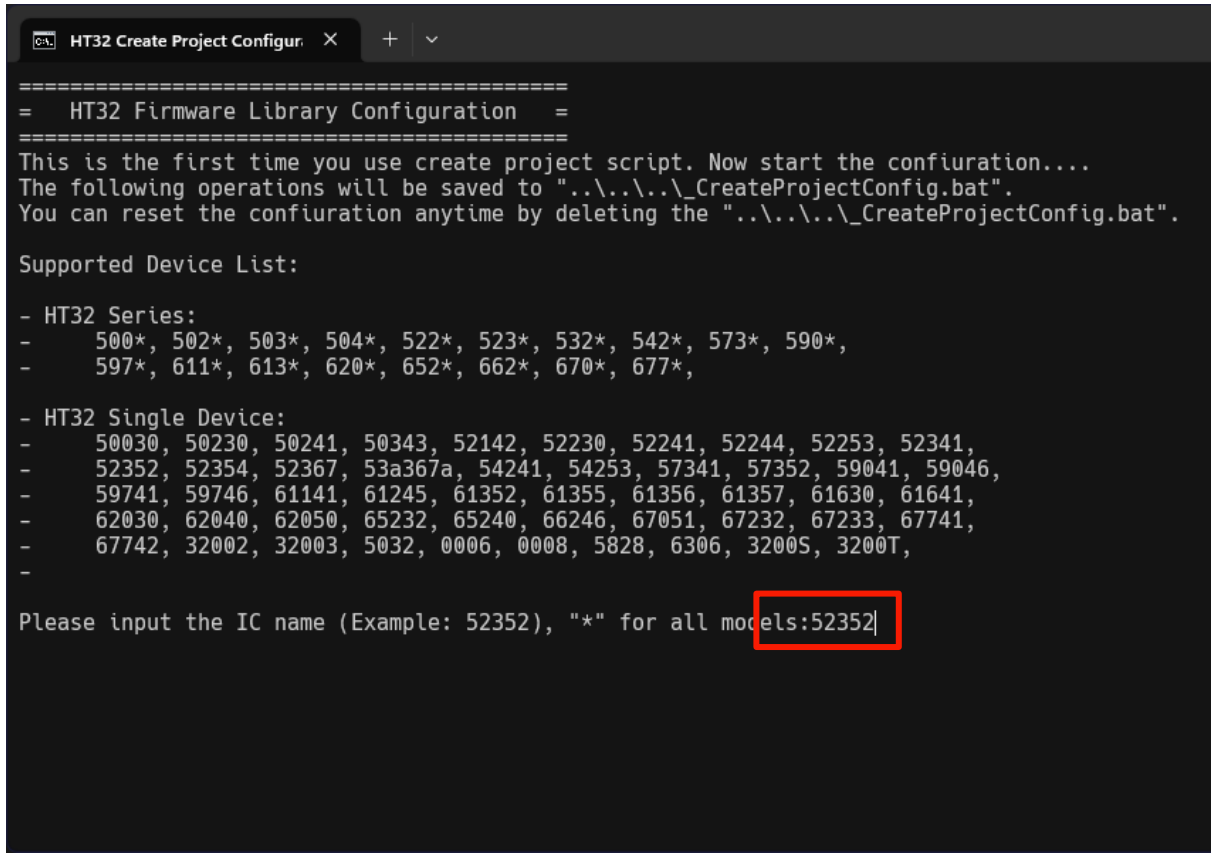
Create a New Project

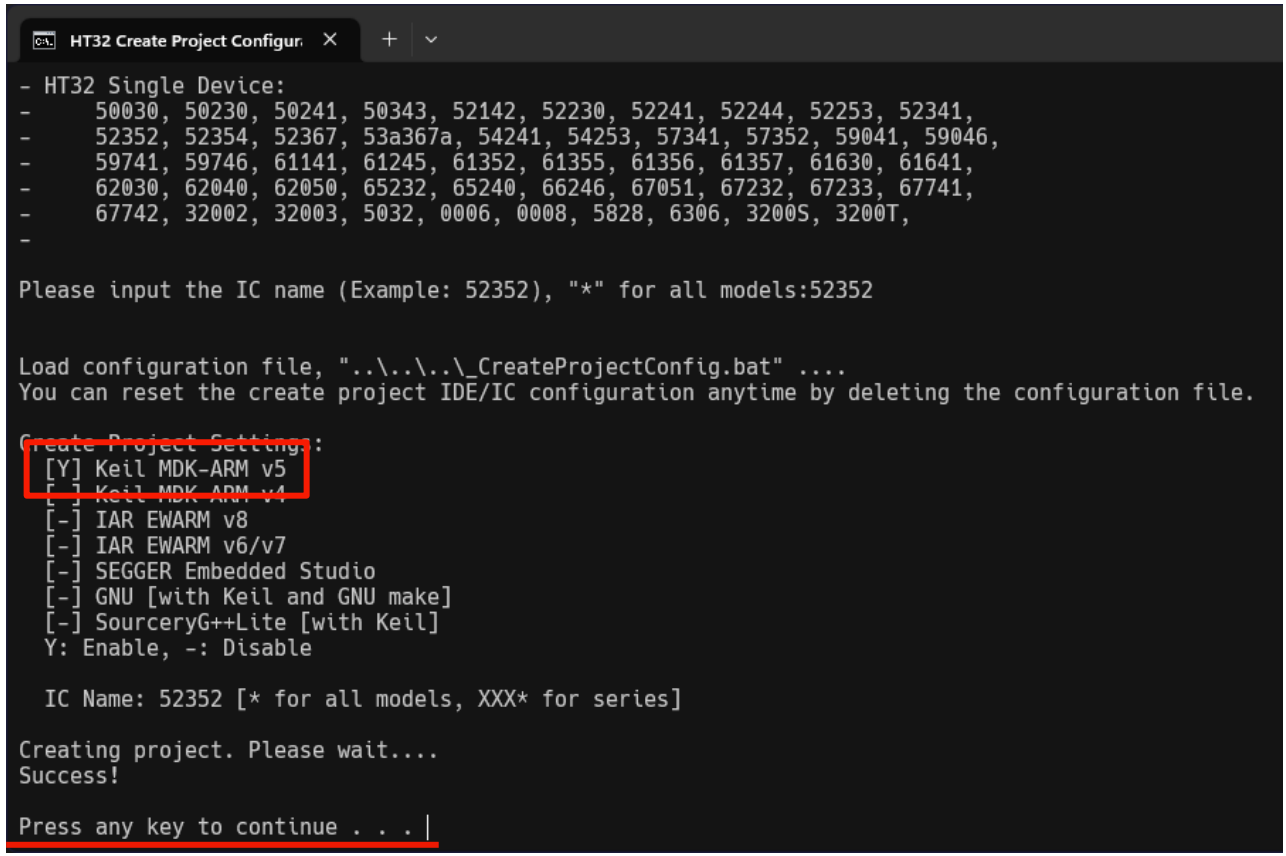
1. Execute “_CreatProject”

1. Go to “~/HT32_STD_5xxxx_FWLib_V1.5.1_7084/example/CKCU/Clock_Configuration”.
2. Double click “_CreateProject.bat”.
3. Type “1” and “N” after prompt appears.

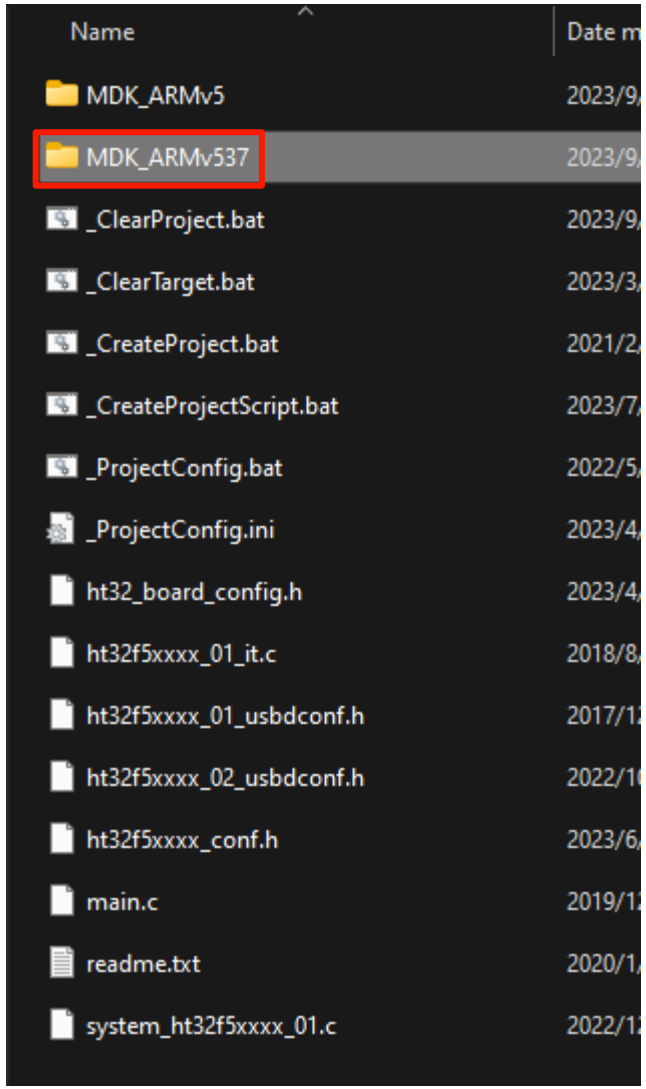


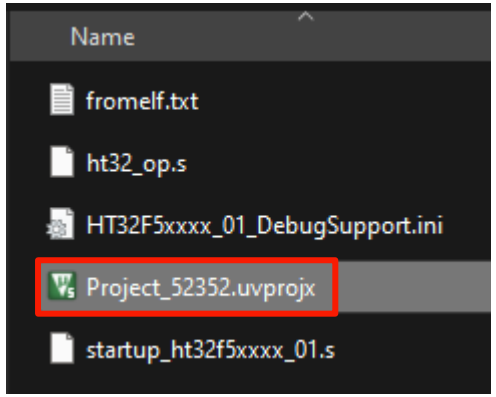
2. Type options

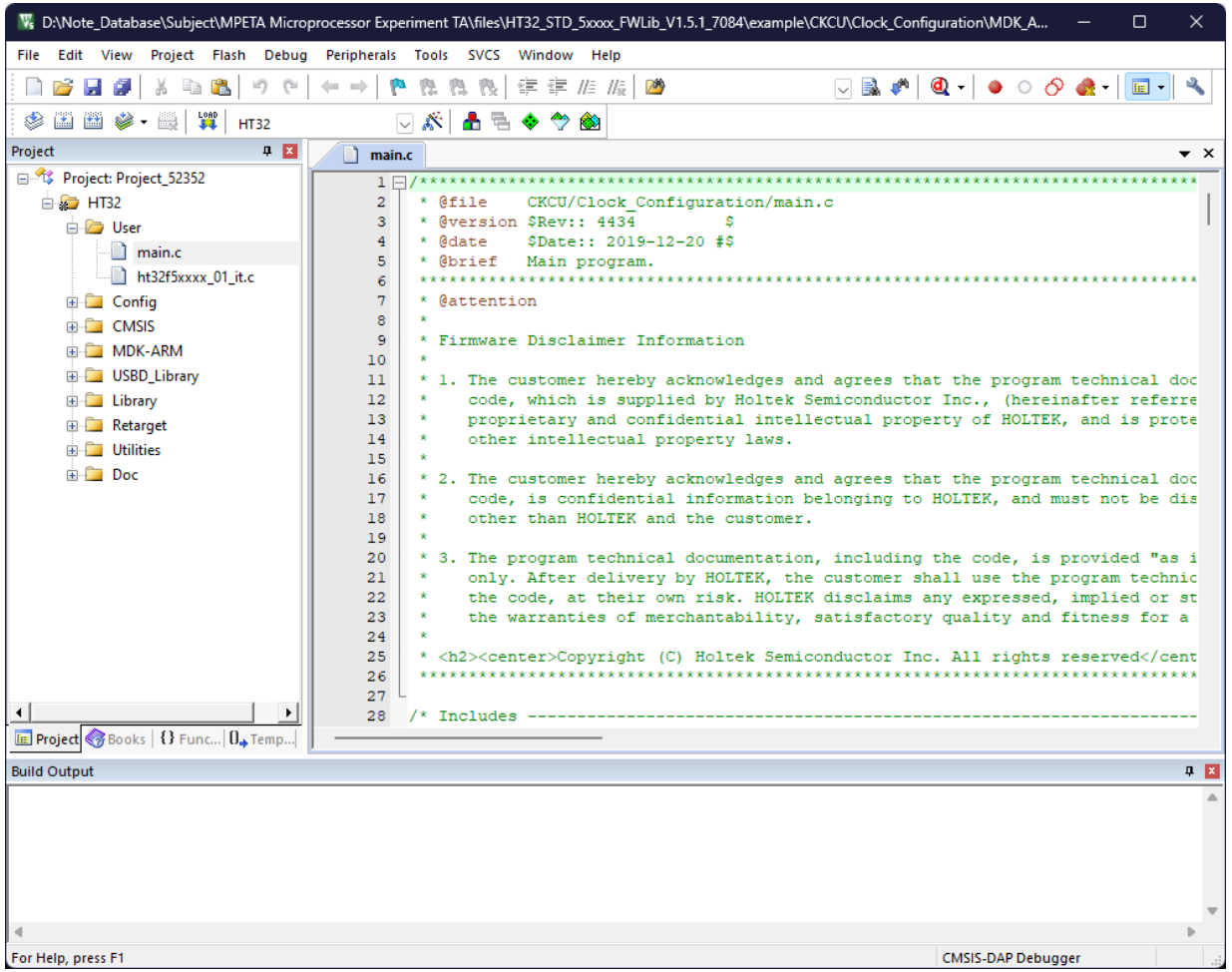




3. Launch project

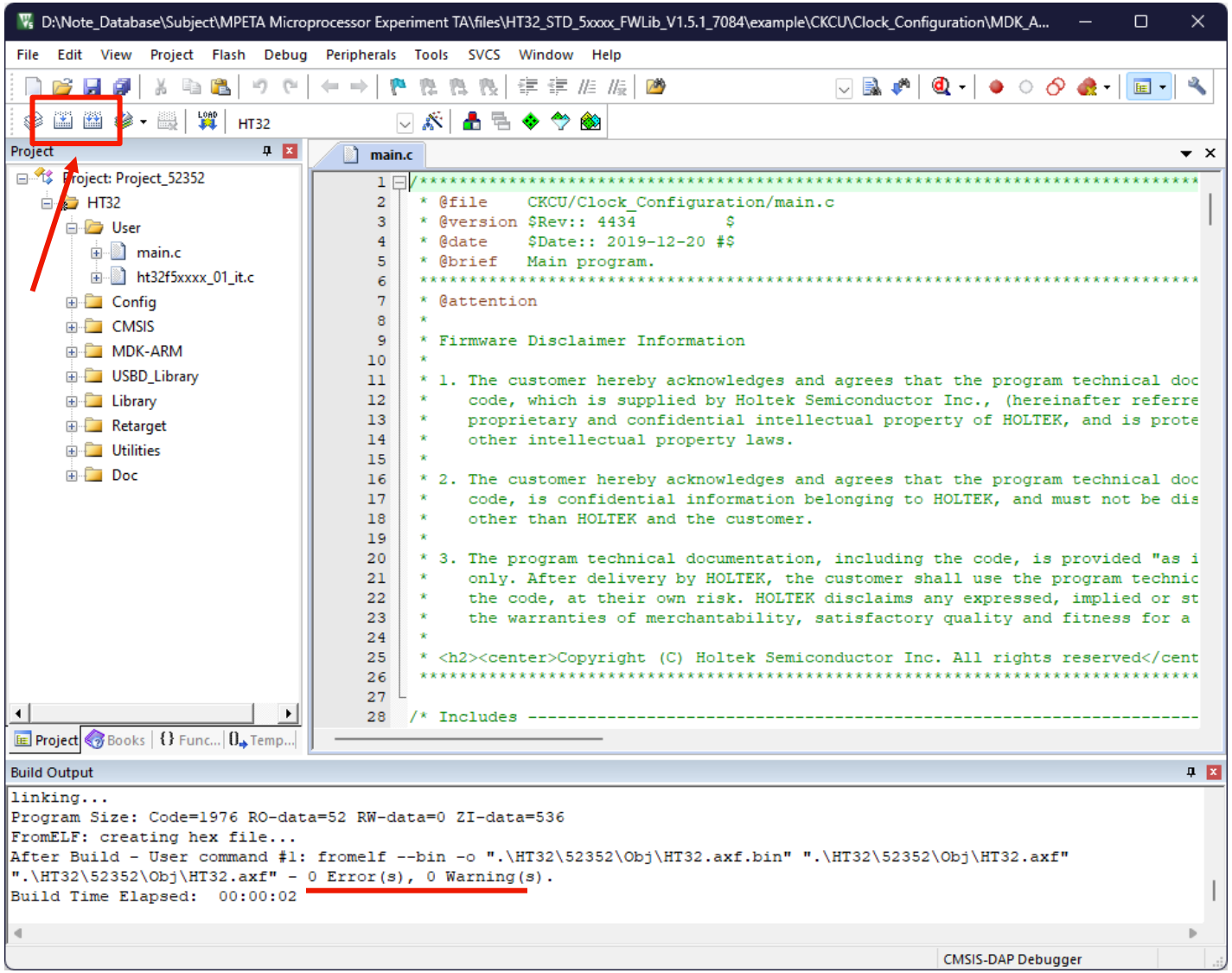






"~/HT32_STD_5xxxx_FWLib_V1.5.1_7084/example/CKCU/Clock_Configuration/MDK_ARMv537/Project_52352.uvprojx"

4. Verify - Compile



Homework W1-1

Finish the entire installation process.

Class Dismissed