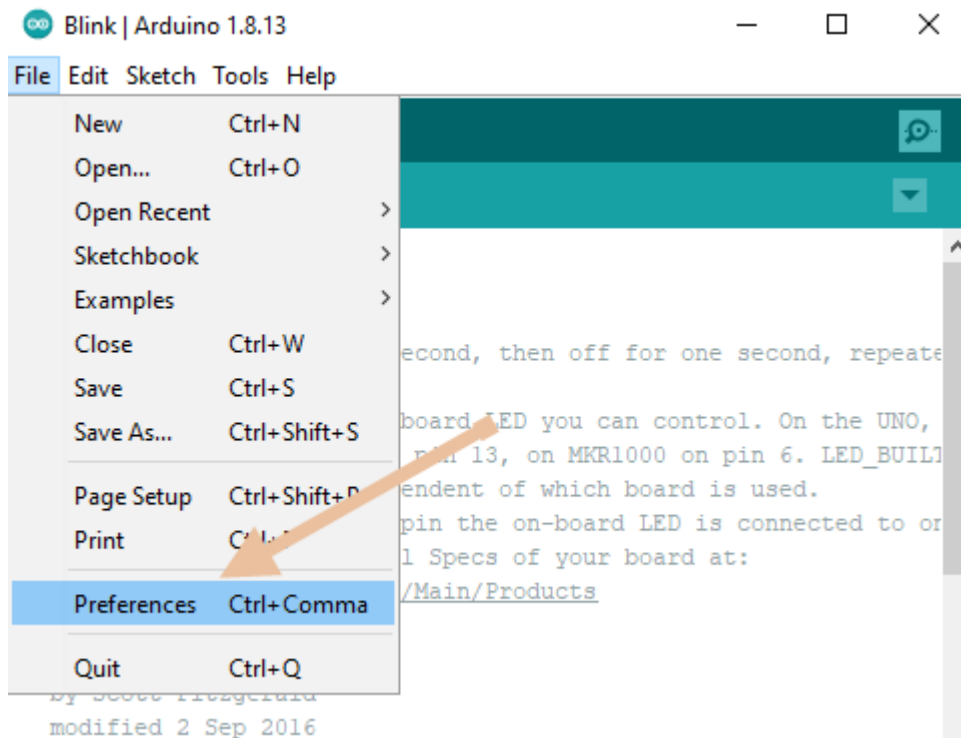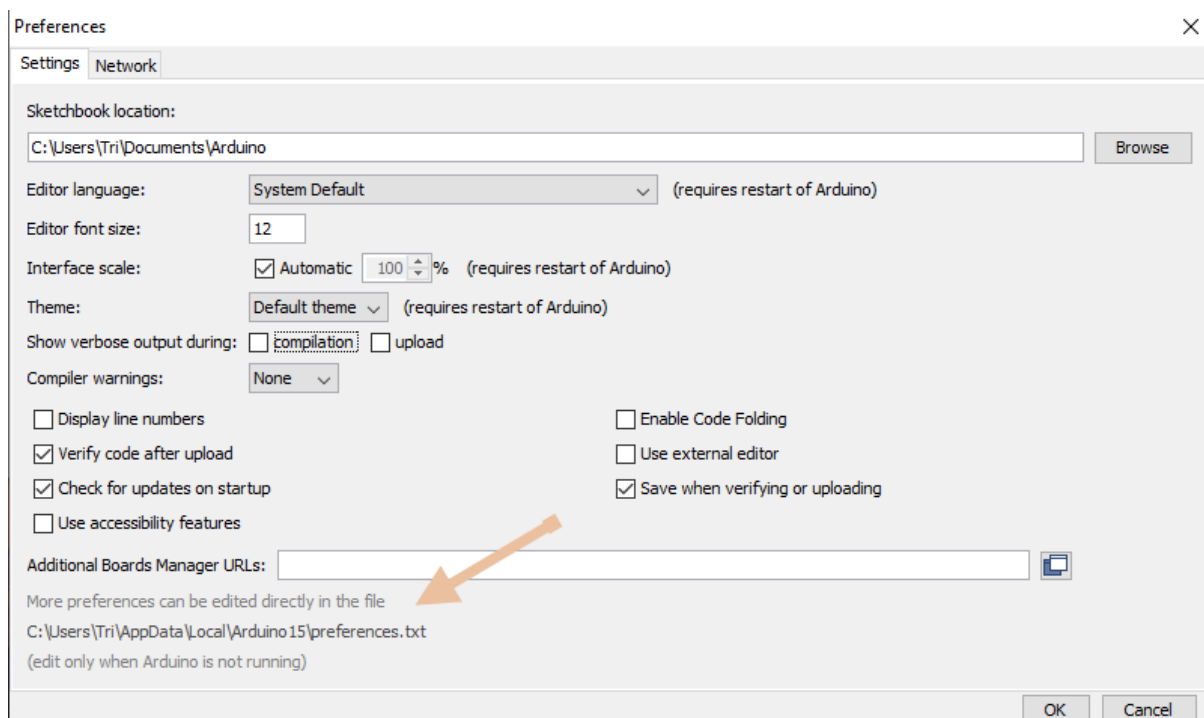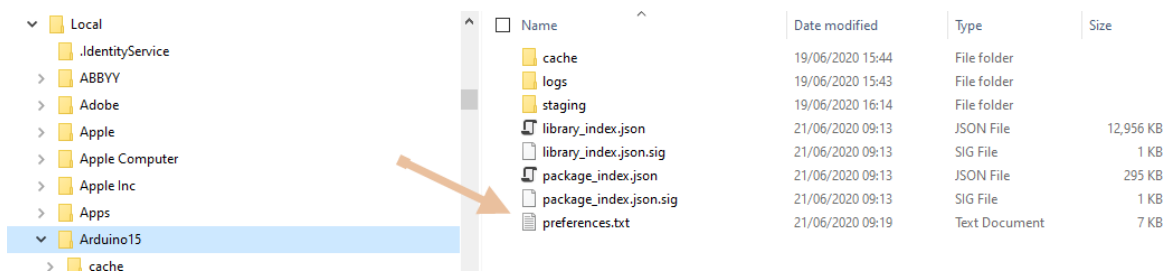# HOW TO MAKE .bin AND .hex FILES FROM ARDUINO IDE 1.8.13

1. Load sketch : blink or any sketch
2. Click Preferences

3. Look the location of "preferences.txt"
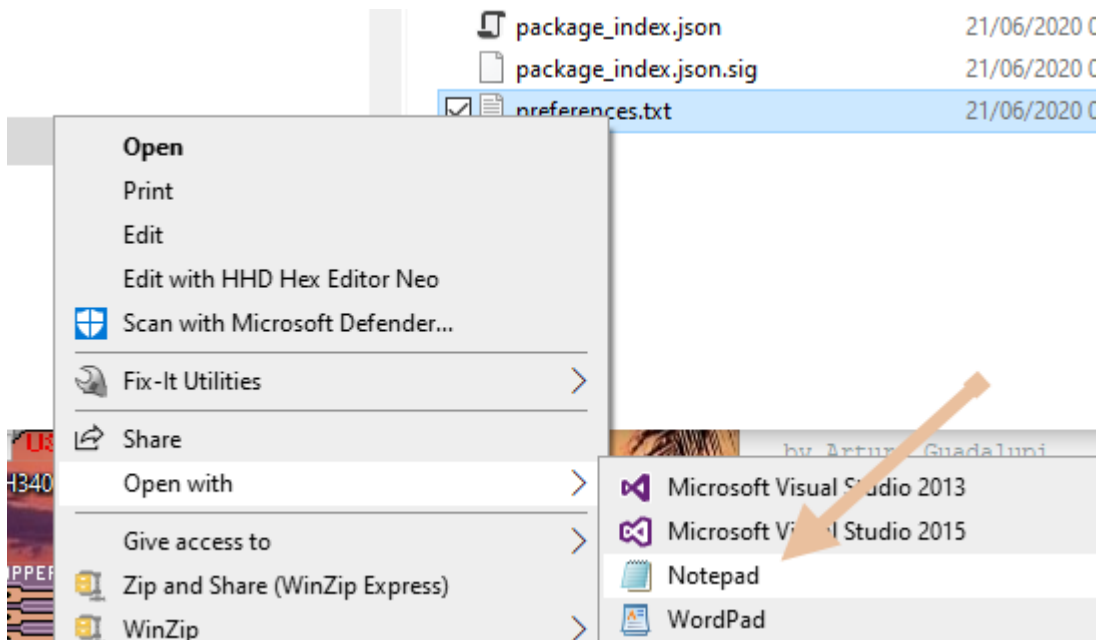
Name	Date modified	Type	Size
cache	19/06/2020 15:44	File folder	
logs	19/06/2020 15:43	File folder	
staging	19/06/2020 16:14	File folder	
library_index.json	21/06/2020 09:13	JSON File	12,956 KB
library_index.json.sig	21/06/2020 09:13	SIG File	1 KB
package_index.json	21/06/2020 09:13	JSON File	295 KB
package_index.json.sig	21/06/2020 09:13	SIG File	1 KB
preferences.txt	21/06/2020 09:19	Text Document	7 KB

Local
  .IdentityService
> ABBYY
> Adobe
> Apple
> Apple Computer
> Apple Inc
> Apps
∨ Arduino15
  > cache

4. Open with Notepad :

package_index.json   21/06/2020 0
package_index.json.sig   21/06/2020 0
preferences.txt   21/06/2020 0

Open
Print
Edit
Edit with HHD Hex Editor Neo
Scan with Microsoft Defender...
Fix-It Utilities   >
Share
Open with   >
  Microsoft Visual Studio 2013
  Microsoft Visual Studio 2015
  Notepad
  WordPad
Give access to   >
Zip and Share (WinZip Express)
WinZip   >

add :
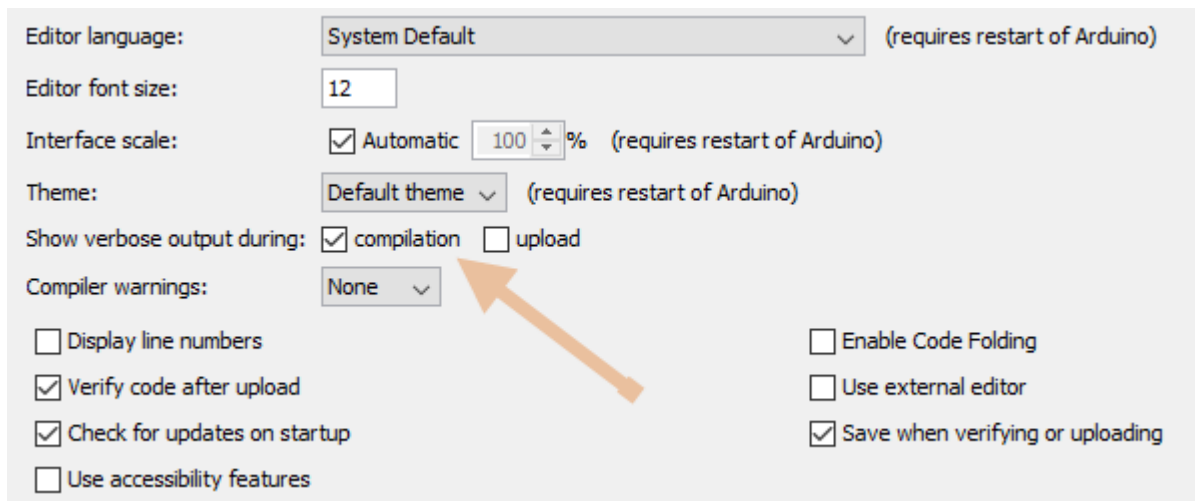build.path=F:\Project-A

preferences.txt - Notepad
File   Edit   Format   View   Help

board=uno
boardsmanager.additional.urls=
build.path=F:\Project-A
build.verbose=true
build.warn_data_percentage=75
cache.enable=true
compiler.cache_core=true
compiler.warning_level=none
console=true
console.auto_clear=true
console.error.file=stderr.txt
console.length=500
console.lines=4
console.output.file=stdout.txt
custom_cpu=mega_atmega2560
editor.antialias=true
editor.auto_close_braces=true
editor.caret.blink=true
editor.code_folding=false
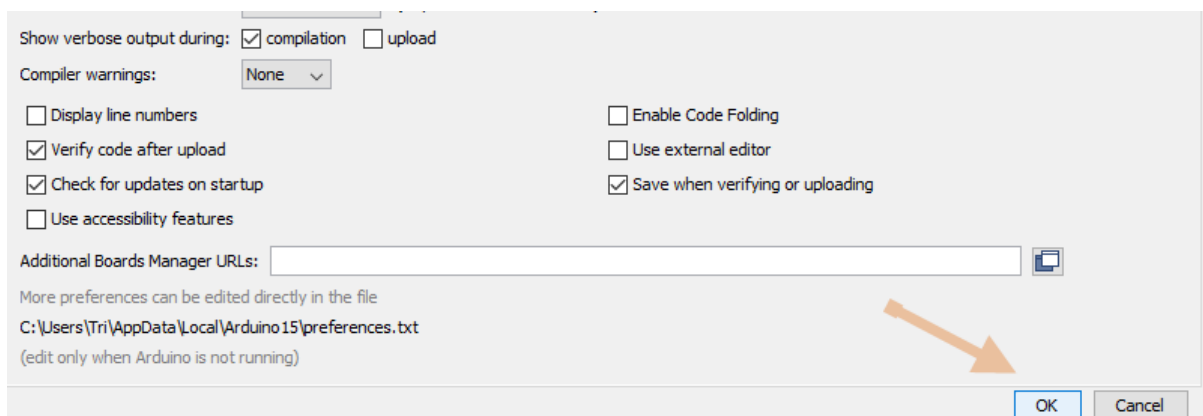editor.divider.size=2
editor.external=false
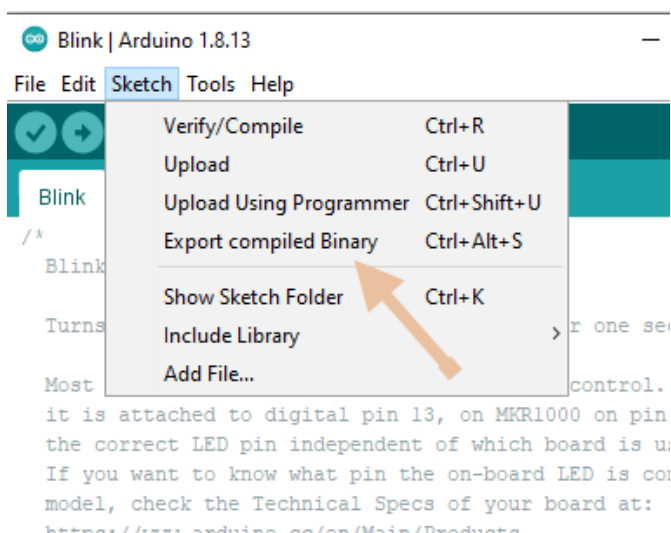
Save the file.

Create a new folder in F:\Project-A
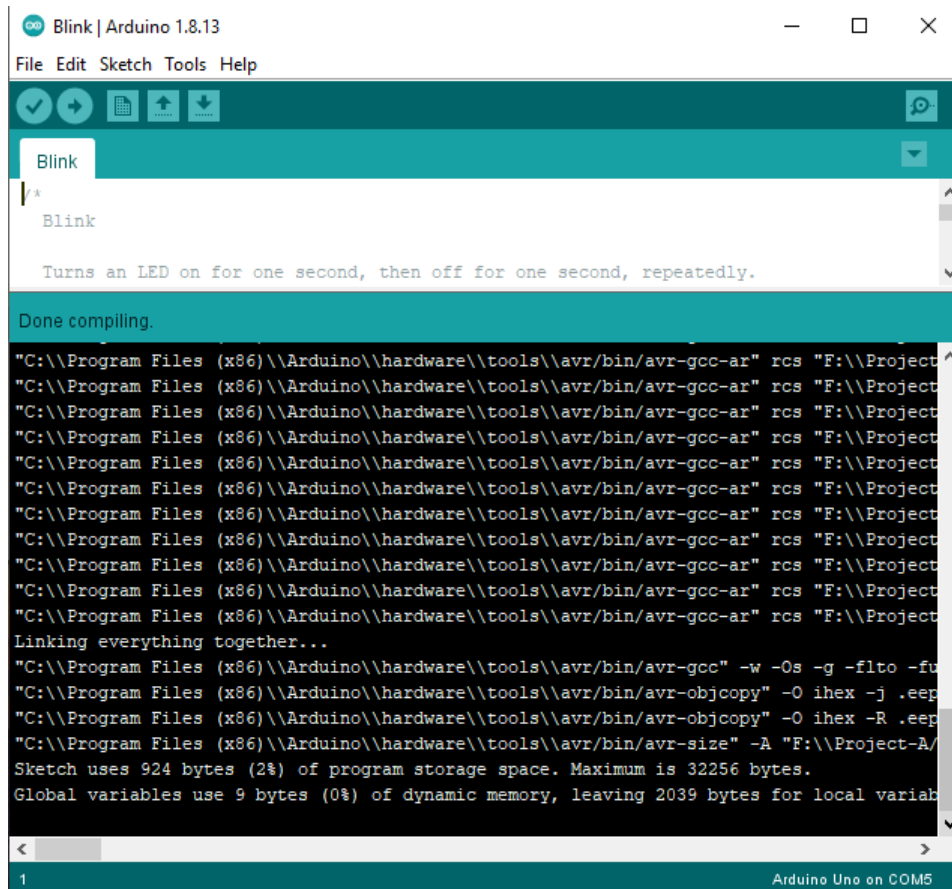
Open Arduino IDE, click File, then Preferences :

Editor language:	System Default	∨	(requires restart of Arduino)

Editor font size: 12

Interface scale: ☑ Automatic 100 ⬍ %   (requires restart of Arduino)

Theme: Default theme ∨ (requires restart of Arduino)

Show verbose output during: ☑ compilation ☐ upload

Compiler warnings: None ∨

☐ Display line numbers
☑ Verify code after upload
☑ Check for updates on startup
☐ Use accessibility features

☐ Enable Code Folding
☐ Use external editor
☑ Save when verifying or uploading

Click "compilation" , then OK

Show verbose output during: ☑ compilation ☐ upload
Compiler warnings: None ∨

☐ Display line numbers
☑ Verify code after upload
☑ Check for updates on startup
☐ Use accessibility features

☐ Enable Code Folding
☐ Use external editor
☑ Save when verifying or uploading

Additional Boards Manager URLs: [   ] 🗗

More preferences can be edited directly in the file

C:\Users\Tri\AppData\Local\Arduino15\preferences.txt

(edit only when Arduino is not running)

OK   Cancel

Save sketch file , click Sketch :

Blink | Arduino 1.8.13   —

File Edit Sketch Tools Help

Verify/Compile	Ctrl+R
Upload	Ctrl+U
Upload Using Programmer	Ctrl+Shift+U
Export compiled Binary	Ctrl+Alt+S
Show Sketch Folder	Ctrl+K
Include Library	➤
Add File...	

Blink

/*
 Blink

 Turns   r one se
 Most   control.
 it is attached to digital pin 13, on MKR1000 on pin
 the correct LED pin independent of which board is u
 If you want to know what pin the on-board LED is co
 model, check the Technical Specs of your board at:
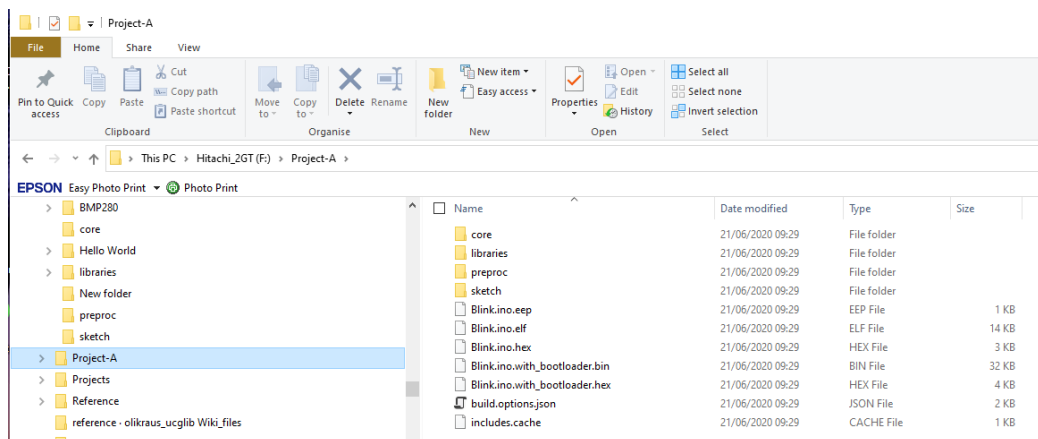
Click Export compiled Binary :

When Done compiling, open folder "F:\Project-A" :

.bin and .hex files have been created.

Empty this folder, move all files to another location if you want another project.