

## البرامج اللازمة ل Dart:

### 1. Dart sdk:

<https://dart.dev/get-dart/archive>

### 2. Visual code:

<https://code.visualstudio.com/>

...

...

# Dart sdk:

## Stable channel

Stable channel builds are tested and approved for production use.

Version: 2.16.1



OS: Windows



→ اختر بناء على نظام الجهاز

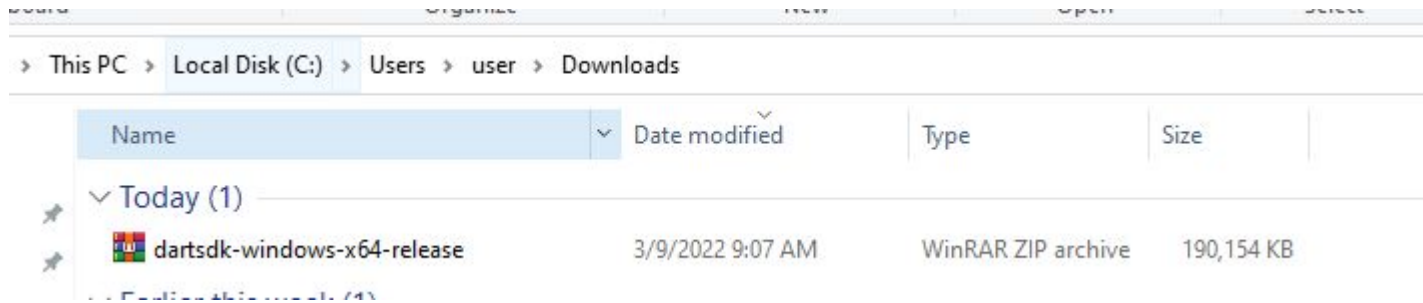
Version	OS	Architecture	Downloads
2.16.1 (ref 0180af2)	Windows	x64	Dart SDK (SHA-256)
2.16.1 (ref 0180af2)	Windows	ia32	Dart SDK (SHA-256)
2.16.1 (ref 0180af2)	---	---	API docs

اختر بناء على جهازك اذا  
كان 32 بت او 64 بت

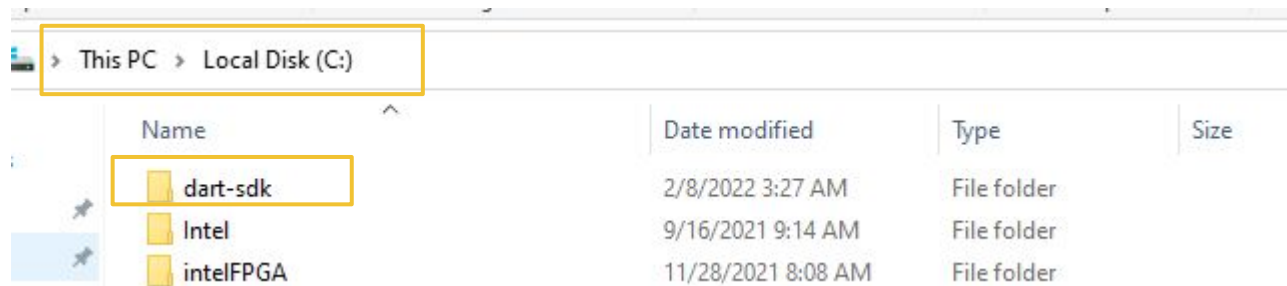
الرابط مرة اخرى :

<https://dart.dev/get-dart/archive>

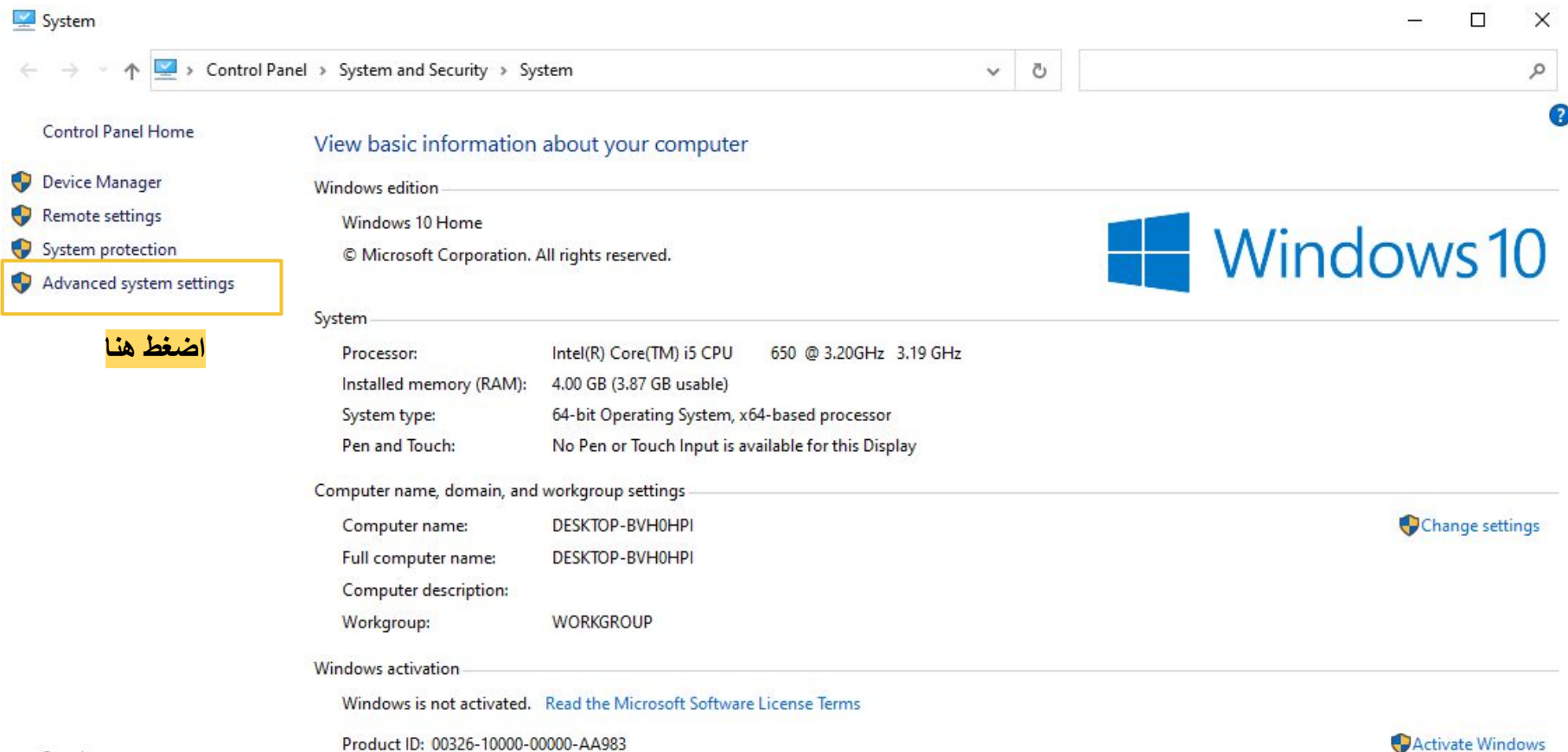
## الملف بعد التحميل:



## نفاك ضغطه وننقله الى ال C:



ندخل الى اعدادات جهاز الكمبيوتر من خلال الضغط بزر الفأرة الايمن واختيار خصائص او properties :



The screenshot shows the Windows 10 'System' settings window. The left sidebar contains links to 'Device Manager', 'Remote settings', 'System protection', and 'Advanced system settings', which is highlighted with a yellow box. Below this box is a yellow label with the text 'اضغط هنا' (Click here). The main content area is titled 'View basic information about your computer' and displays system information under three sections: 'Windows edition' (Windows 10 Home), 'System' (Processor, Installed memory, System type, Pen and Touch), and 'Computer name, domain, and workgroup settings' (Computer name, Full computer name, Computer description, Workgroup). A 'Change settings' link is present next to the computer name. At the bottom, it states 'Windows is not activated' with a link to 'Read the Microsoft Software License Terms' and shows the 'Product ID: 00326-10000-00000-AA983'. An 'Activate Windows' button is in the bottom right corner.

System

Control Panel Home

Device Manager

Remote settings

System protection

Advanced system settings

اضغط هنا

View basic information about your computer

Windows edition

Windows 10 Home

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System

Processor: Intel(R) Core(TM) i5 CPU 650 @ 3.20GHz 3.19 GHz

Installed memory (RAM): 4.00 GB (3.87 GB usable)

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: DESKTOP-BVH0HP1

Full computer name: DESKTOP-BVH0HP1

Computer description:

Workgroup: WORKGROUP

Change settings

Windows activation

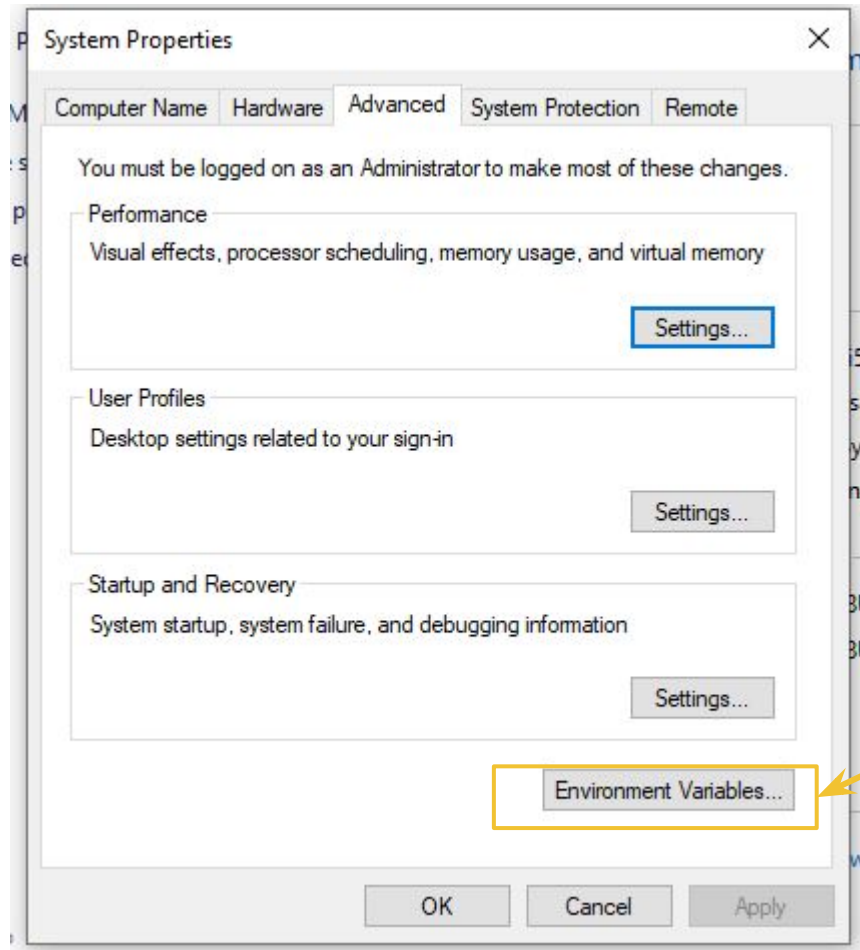
Windows is not activated. [Read the Microsoft Software License Terms](#)

Product ID: 00326-10000-00000-AA983

Activate Windows

See also

Security and Maintenance



اختار  
**:Environment variable**



## User variables for DigitalLab

Variable	Value
NO_XILINX_DATA_LICENSE	HIDDEN
OneDrive	C:\Users\DigitalLab\OneDrive
Path	C:\Users\DigitalLab\AppData\Local\Microsoft\WindowsApps;
TEMP	C:\Users\DigitalLab\AppData\Local\Temp
TMP	C:\Users\DigitalLab\AppData\Local\Temp

New...

Edit...

Delete

## System variables

Variable	Value
ComSpec	C:\WINDOWS\system32\cmd.exe
DriverData	C:\Windows\System32\Drivers\DriverData
JAVA_HOME	C:\Program Files\AdoptOpenJDK\jdk-8.0.222.10-hotspot\
KMP_DUPLICATE_LIB_OK	TRUE
MKL_SERIAL	YES
NUMBER_OF_PROCESSORS	4
OS	Windows NT

New...

Edit...

Delete

OK

Cancel

نضغط path  
ثم edit

%USERPROFILE%\AppData\Local\Microsoft\WindowsApps

New

Edit

Browse...

Delete

Move Up

Move Down

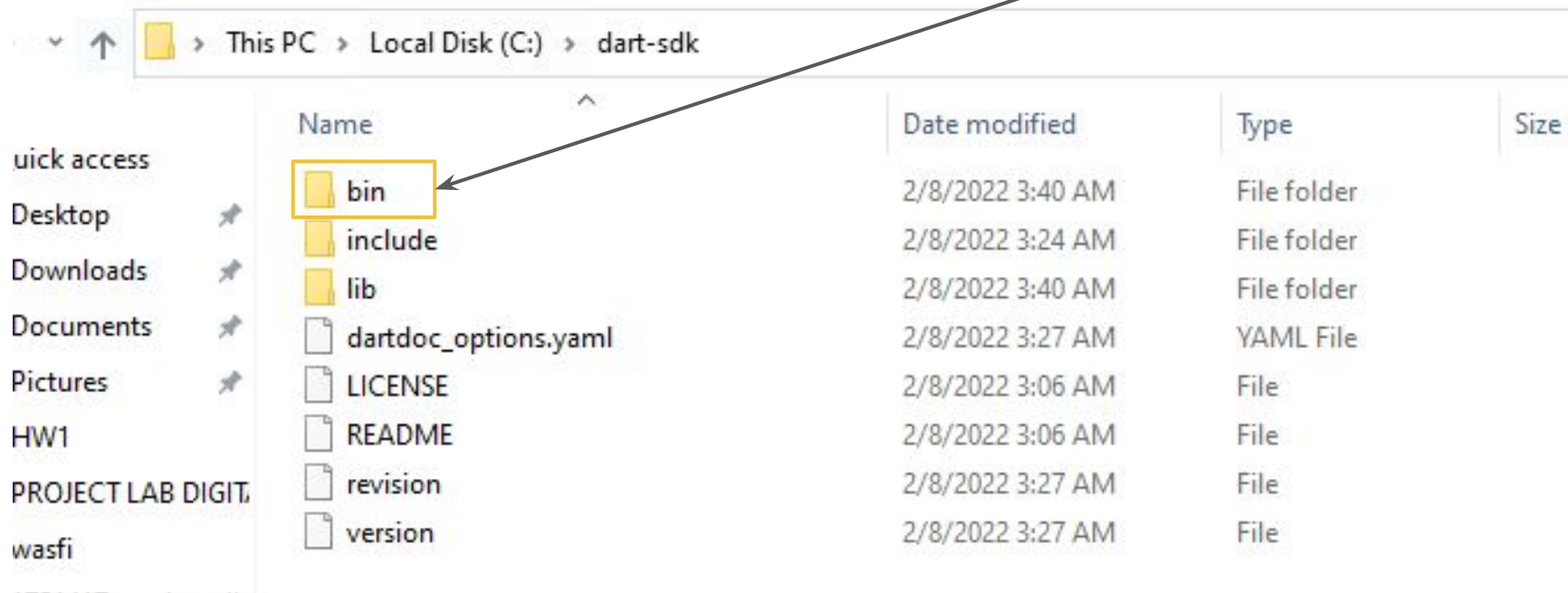
Edit text...

OK

Cancel

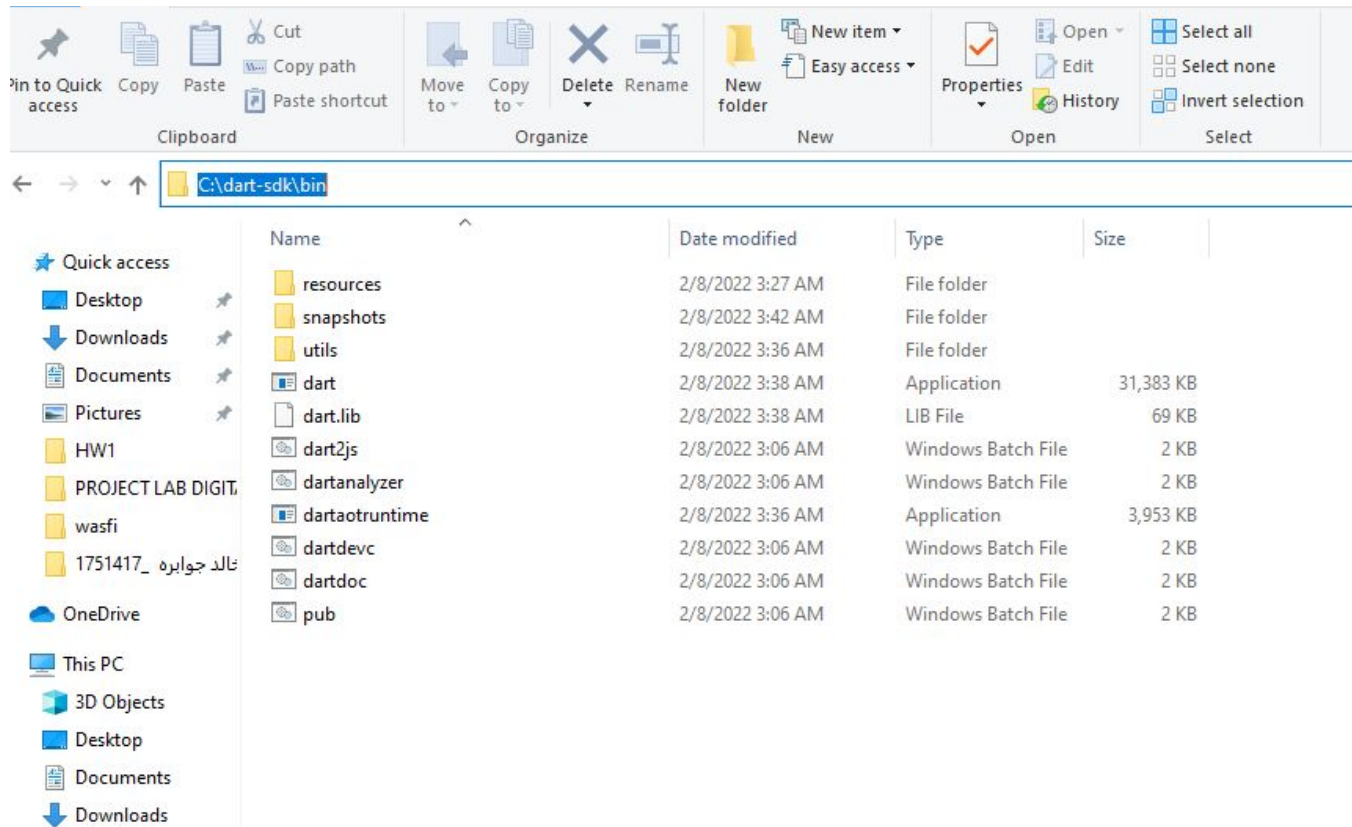
تظهر هذه الواجهة  
نتركها ثم نعود لها لاحقا

ندخل الى ملف ال **bin** داخل ملف الدارت الذي حملناه :





## ننسخ الرابط :



%USERPROFILE%\AppData\Local\Microsoft\WindowsApps

New

Edit

Browse...

Delete

Move Up

Move Down

Edit text...

OK

Cancel

نعود للواجهة التي تركناها ثم نضغط

new

Edit environment variable



%USERPROFILE%\AppData\Local\Microsoft\WindowsApps

C:\dart-sdk\bin

New

Edit

Browse...

Delete

Move Up

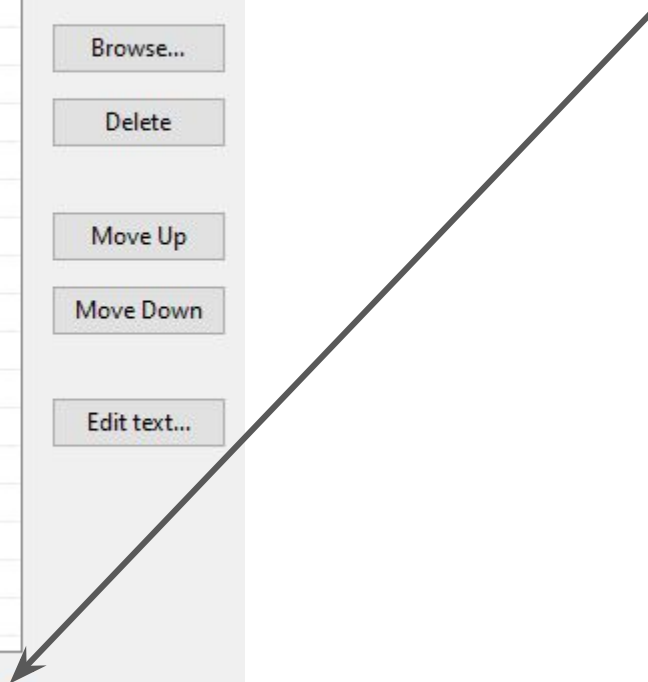
Move Down

Edit text...

OK

Cancel

بعد اختيار **new** نضع الرابط الذي  
نسخته ثم نختار **ok**



Link:

<https://code.visualstudio.com/>

تحميل :visual code

The image shows the Visual Studio Code website with a large banner that reads "Code editing. Redefined." and "Free. Built on open source. Runs everywhere." Below the banner is a blue button labeled "Download for Windows" with "Stable Build" underneath it. A yellow arrow points from the "Link:" text to the download button. Another yellow arrow points from the "تحميل :visual code" text to the Visual Studio Code application interface shown in the background. The application interface displays the "EXTENSIONS: MARKETPLACE" sidebar with a list of extensions including Python, GitLens, C/C++, ESLint, Debugger for Chrome, Language Support for Java, vscode-icons, Vetur, and C#. The main editor area shows a JavaScript file named "serviceWorker.js" with code for registering a service worker. The terminal at the bottom displays the command "1: node" and the output "You can now view create-react-app in the browser." with local and network URLs.

Visual Studio Code Docs Updates Blog API Extensions FAQ Learn

Version 1.65 is now available! Read about the new features and fixes from February.

# Code editing. Redefined.

Free. Built on open source. Runs everywhere.

**Download for Windows**  
Stable Build

Other platforms and Insiders Edition

By using VS Code, you agree to its [license and privacy statement.](#)

File Edit Selection View Go Debug Terminal Help serviceWorker.js · create-react-app · Visual Studio Code · In...

EXTENSIONS: MARKETPLACE

@sortinails

- Python 2019.6.24221 54.9M ★ 4.5  
Linting, Debugging (multi-threaded, ...  
Microsoft [Install](#)
- GitLens — Git sup... 9.8.5 23.1M ★ 5  
Supercharge the Git capabilities built...  
Eric Amodio [Install](#)
- C/C++ 0.24.0 23M ★ 3.5  
C/C++ IntelliSense, debugging, and ...  
Microsoft [Install](#)
- ESLint 1.9.0 21.9M ★ 4.5  
Integrates ESLint JavaScript into VS ...  
Dirk Baeumer [Install](#)
- Debugger for Ch... 4.11.6 20.6M ★ 4  
Debug your JavaScript code in the C...  
Microsoft [Install](#)
- Language Supp... 0.47.0 18.7M ★ 4.5  
Java Linting, Intellisense, formatting, ...  
Red Hat [Install](#)
- vscode-icons 8.8.0 17.2M ★ 5  
Icons for Visual Studio Code  
VSCode Icons Team [Install](#)
- Vetur 0.21.1 17M ★ 4.5  
Vue tooling for VS Code  
Pine Wu [Install](#)
- C# 1.21.0 15.6M ★ 4

src > JS serviceWorker.js > register > window.addEventListener

```
39 |  
40 |  
41 | // Add some additional logging to log  
42 | // service worker/PWA documentation.  
43 | navigator.serviceWorker.ready.then(() => {  
44 |   product  
45 |   productSub  
46 |   removeSiteSpecificTrackingException  
47 |   removeWebWideTrackingException  
48 |   requestMediaKeySystemAccess  
49 |   sendBeacon  
50 |   serviceWorker (property) Navigator.se  
51 |   storage  
52 |   storeSiteSpecificTrackingException  
53 |   storeWebWideTrackingException  
54 |   userAgent  
55 |   vendor  
56 |  
57 | function registerValidSW(swUrl, config) {  
58 |   navigator.serviceWorker  
59 |     .register(swUrl)  
60 |     .then(registration => {
```

TERMINAL ... 1: node

You can now view create-react-app in the browser.

Local: http://localhost:3000/  
On Your Network: http://10.211.55.3:3000/

**License Agreement**

Please read the following important information before continuing.



Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.

*This license applies to the Visual Studio Code product. Source Code for Visual Studio Code is available at <https://github.com/Microsoft/vscode> under the MIT license agreement at <https://github.com/microsoft/vscode/blob/main/LICENSE.txt>. Additional license information can be found in our FAQ at <https://code.visualstudio.com/docs/supporting/faq>.*

**MICROSOFT SOFTWARE LICENSE TERMS****MICROSOFT VISUAL STUDIO CODE**

☒ I accept the agreement

☐ I do not accept the agreement

Next >

Cancel

تثبيت البرنامج:



## Select Destination Location

Where should Visual Studio Code be installed?



Setup will install Visual Studio Code into the following folder.

To continue, click Next. If you would like to select a different folder, click Browse.

C:\Users\DigitalLab\AppData\Local\Programs\Microsoft VS Code

Browse...

At least 287.8 MB of free disk space is required.

< Back

Next >

Cancel

Next

## Select Start Menu Folder

Where should Setup place the program's shortcuts?



Setup will create the program's shortcuts in the following Start Menu folder.

To continue, click Next. If you would like to select a different folder, click Browse.

Visual Studio Code

Browse...

**Next**

☐ Don't create a Start Menu folder

< Back

Next >

Cancel

**Select Additional Tasks**

Which additional tasks should be performed?



Select the additional tasks you would like Setup to perform while installing Visual Studio Code, then click Next.

Additional icons:

☐ Create a desktop icon

Other:

☐ Add "Open with Code" action to Windows Explorer file context menu

☐ Add "Open with Code" action to Windows Explorer directory context menu

☒ Register Code as an editor for supported file types

☒ Add to PATH (requires shell restart)

**Next**

&lt; Back

Next &gt;

Cancel





## Ready to Install

Setup is now ready to begin installing Visual Studio Code on your computer.



Click Install to continue with the installation, or click Back if you want to review or change any settings.

Destination location:

C:\Users\DigitalLab\AppData\Local\Programs\Microsoft VS Code

Start Menu folder:

Visual Studio Code

Additional tasks:

Other:

Register Code as an editor for supported file types

Add to PATH (requires shell restart)

< Back

Install

Cancel

install

## Completing the Visual Studio Code Setup Wizard

Setup has finished installing Visual Studio Code on your computer. The application may be launched by selecting the installed shortcuts.

Click Finish to exit Setup.

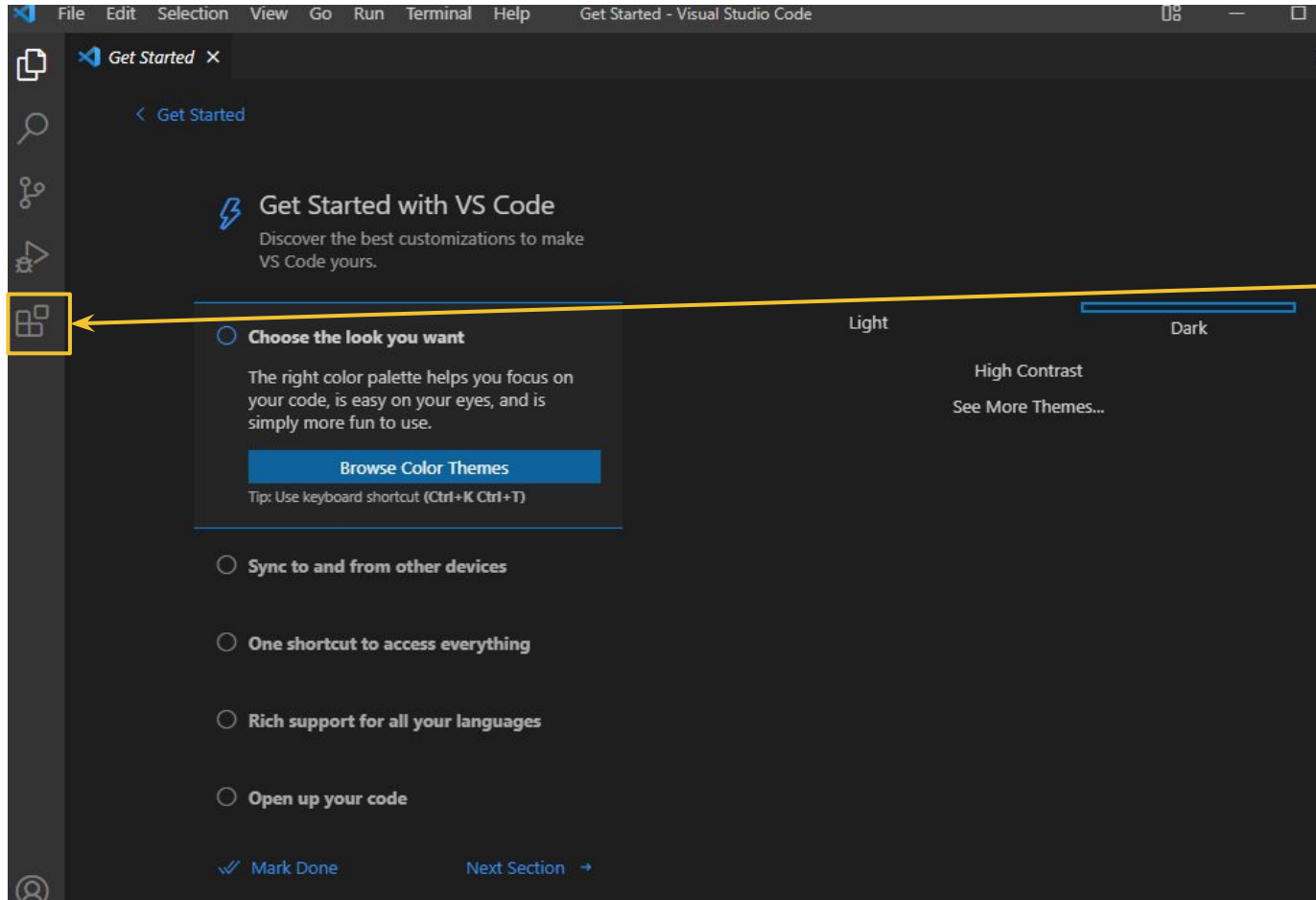
☒ Launch Visual Studio Code



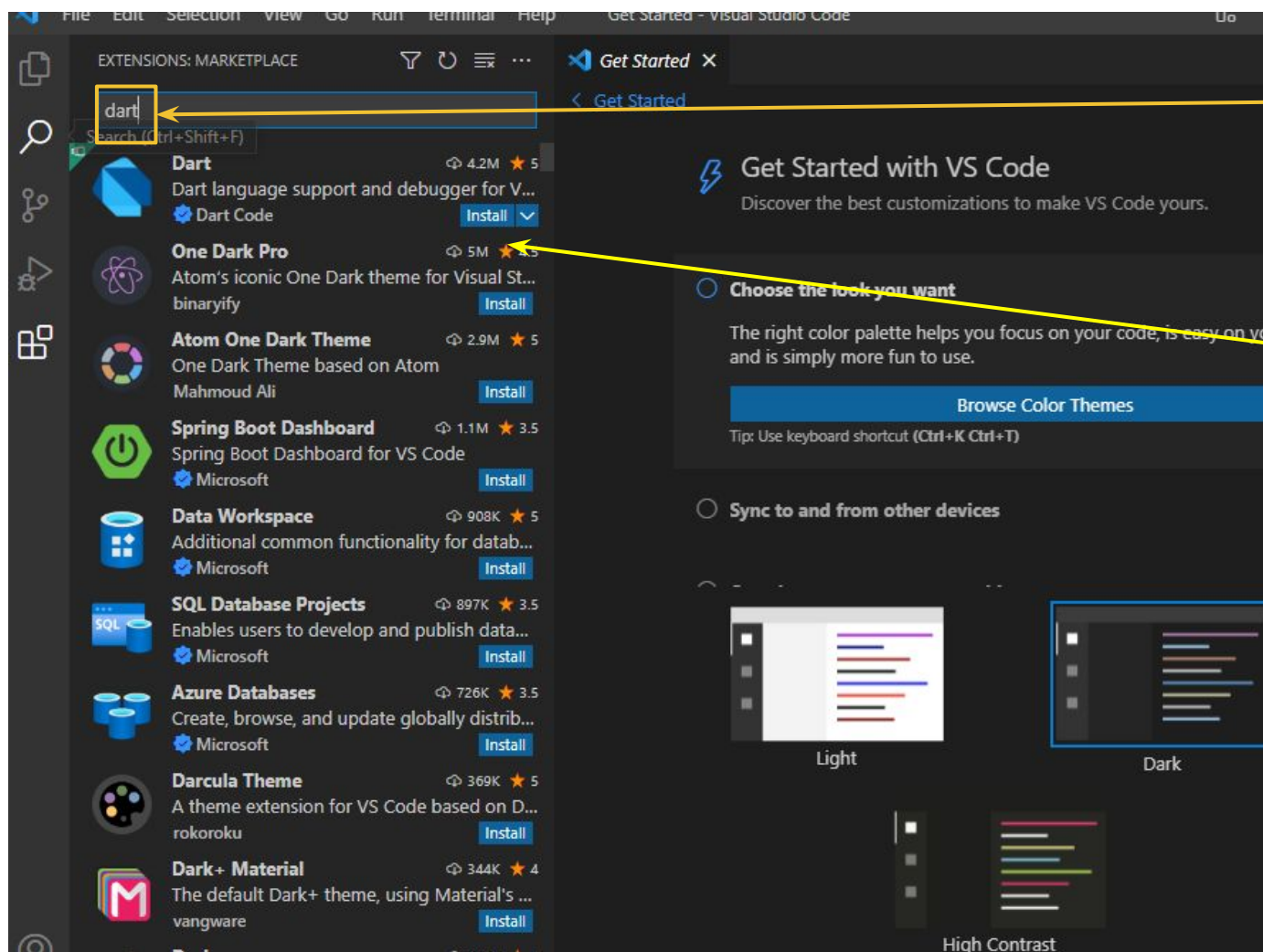
Finish

**finish**

افتح البرنامج :



نضغط هنا



نكتب dart

ثم نضغط هنا  
install

ننتظر الى حين الانتهاء

انتهى تحميل البرامج المتعلقة فقط بالدارت