

Section A

Select Your Operating System (OS):

- First check your computer specifications to download an operating system that's completable with your computer.

About

Device specifications

Device name	Karabo-Kaybee
Processor	Intel(R) Celeron(R) CPU B815 @ 1.60GHz 1.60 GHz
Installed RAM	6.00 GB (5.89 GB usable)
Device ID	D3557F81-D372-46A8-8D78-27448FF321A9
Product ID	00331-10000-00001-AA075
System type	64-bit operating system, x64-based processor
Pen and touch	No pen or touch input is available for this display

Copy

Rename this PC

Windows specifications

Edition	Windows 10 Pro
Version	22H2
Installed on	2022/04/22
OS build	19045.4529
Experience	Windows Feature Experience Pack 1000.19058.1000.0

Copy

[Change product key or upgrade your edition of Windows](#)

Windows 11 Installation Assistant

This is the best option for installing Windows 11 on the device you're currently using. Click **Download Now** to get started.

⊕ Before you begin using Installation Assistant

[Download Now](#)

Create Windows 11 Installation Media

If you want to perform a reinstall or clean install of Windows 11 on a new or used PC, use this option to download the media creation tool to make a bootable USB or DVD.

⊕ Before you begin using the media creation tool

[Download Now](#)

Download Windows 11 Disk Image (ISO) for x64 devices

This option is for users that want to create a bootable installation media (USB flash drive, DVD) or create a virtual machine (.ISO file) to install Windows 11. This download is a multi-edition ISO which uses your product key to unlock the correct edition.


1. To navigate to the device **specification** Press the **Windows icon** ,search and click **About My Your PC**. It will display your device specs.
2. After checking your PC specs Download and Install Windows 11 using this link below <https://www.microsoft.com/software-download/windows11>
3. You can choose the installation process to take between installing through media creation tool or disk image (ISO)

Install a Text Editor or Integrated Development Environment (IDE):

To install a text editor or integrated developmental environment (IDE) click the link below

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

Select and download Visual Studio Code of your operating system.


 Visual Studio Code Docs Updates Blog API Extensions FAQ Learn


Search Docs [Download](#)

Version 1.90 is now available! Read about the new features and fixes from May.


Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.


[Windows](#)
Windows 10, 11


[.deb](#)
Debian, Ubuntu

[.rpm](#)
Red Hat, Fedora, SUSE


[Mac](#)
macOS 10.15+

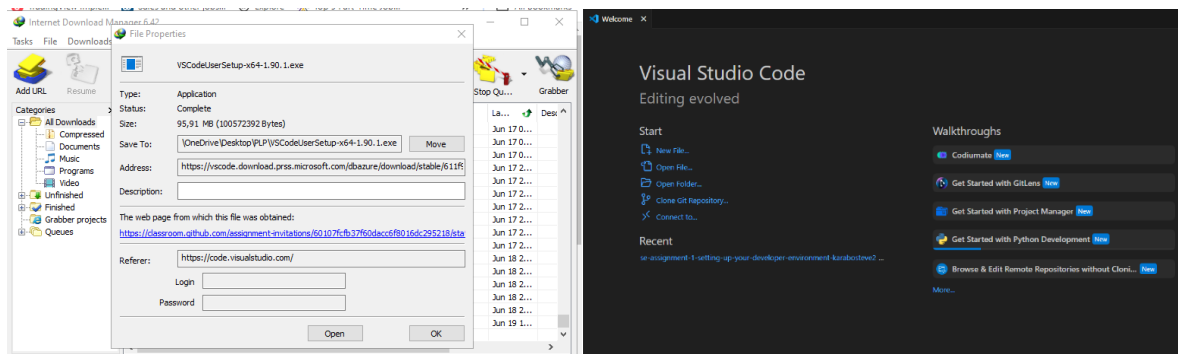
User Installer [x64](#) [ARM64](#)

System Installer [x64](#) [ARM64](#)

CLI [x64](#) [ARM64](#)

Activate Windows

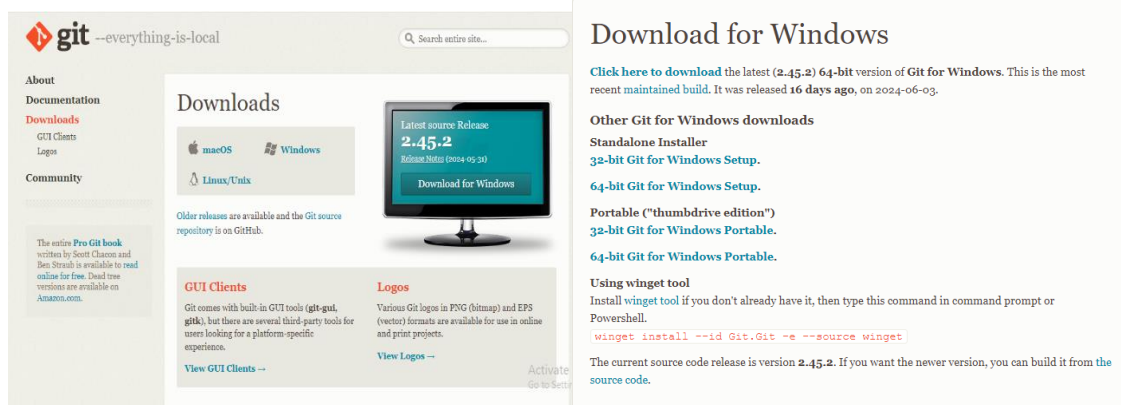
Settings to activate Windows



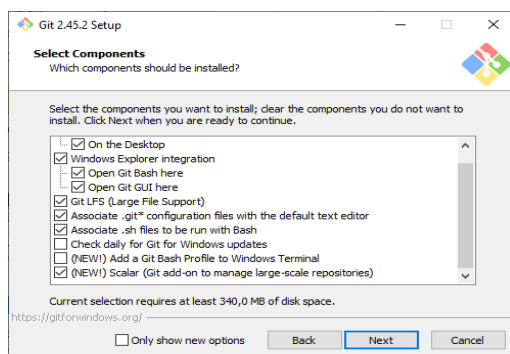
- After downloading open the installing and install.
- The third picture is the home page of VS Code after installation.

4. Set Up Version Control System:

Use the link below to navigate to GitHub website. <https://github.com>

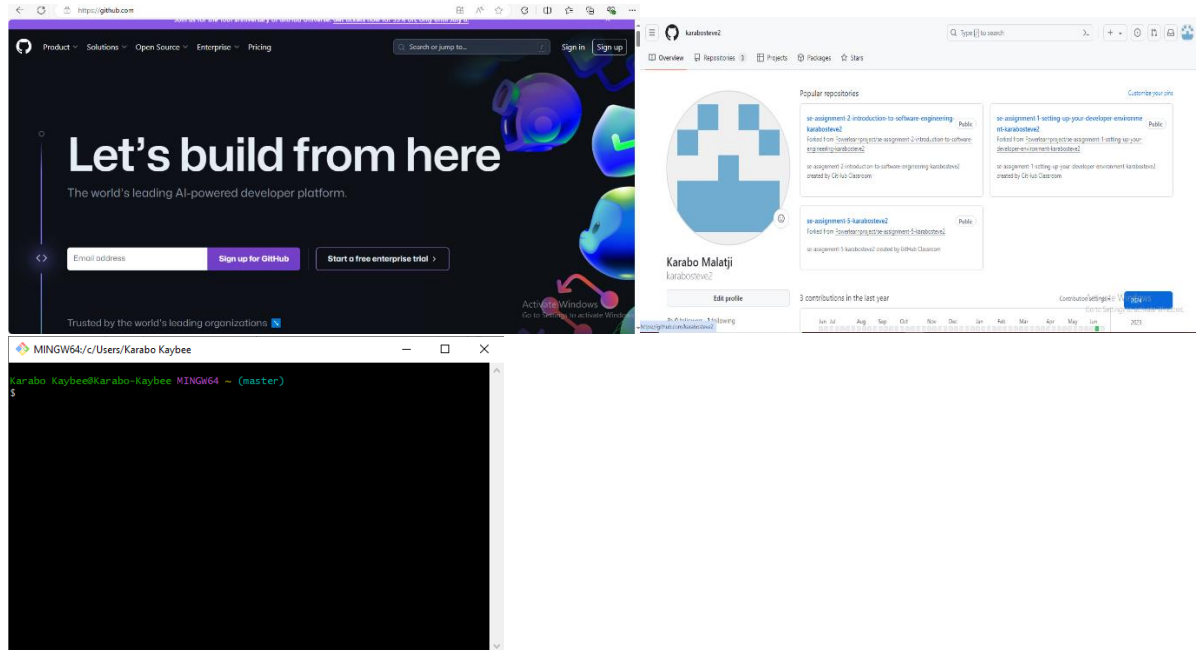


Choose the application that suits your operating system. If you are using **windows** choose **windows** , if you are using **mac** then choose **mac** and if **Linux** choose **Linux**. Also go for the latest version.



After downloading click the installing and click next till it installs completely. Leave the installation settings to the default settings.

After the installation ,create a GitHub account through this link <https://github.com>



Install Git and configure it on your local machine. Create a GitHub account for hosting your repositories. Initialize a Git repository for your project and make your first commit.

Here are the commands for GitHub configurations.

- `git config --global user.name "Your Name"`
- `git config --global user.email youremail@example.com`

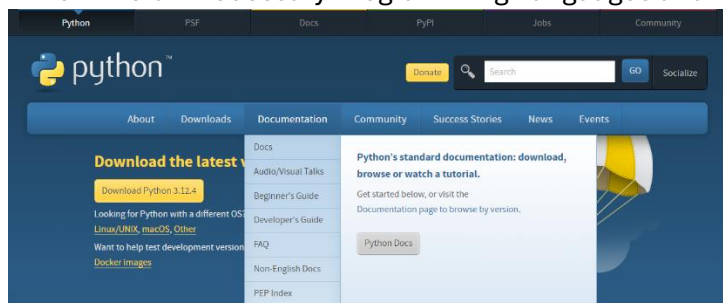
Initialize a new repository

- `mkdir my-project`
- `cd my-project`
- `git init`
- `echo "# My Project" > README.md`
- `git add README.md`
- `git commit -m "Initial commit"`

Push the repository to GitHub:

- `git remote add origin https://github.com/yourusername/my-project.git`
- `git push -u origin master`

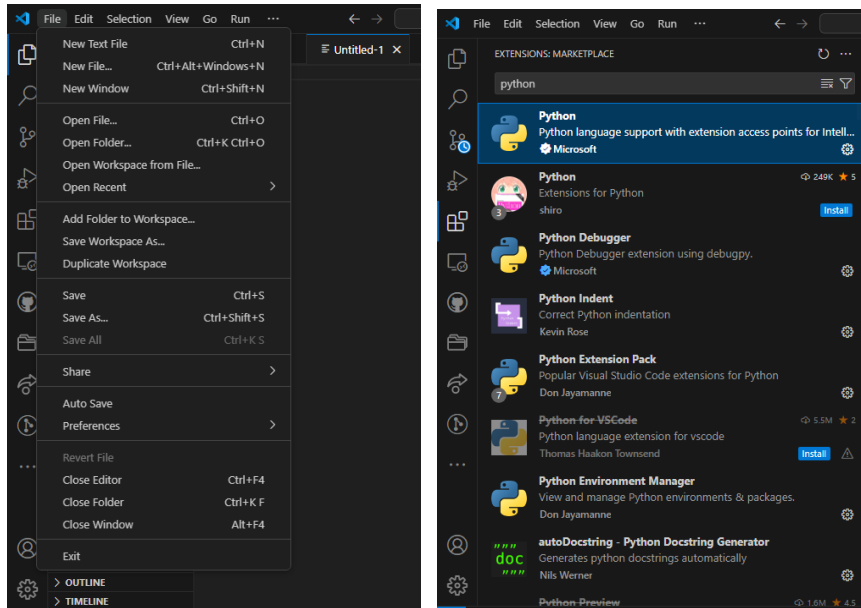
5. Install Necessary Programming Languages and Runtimes:



Install Python from <http://www.python.org> and install their respective compilers, interpreters, or runtimes. Ensure you have the necessary tools to build and execute your code.

5. Install Package Managers:

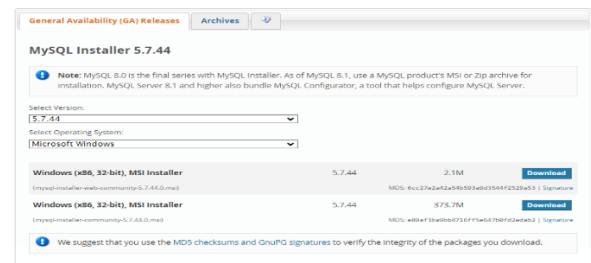
To install package managers, click on files – Preferences and Extensions.



6. Configure a Database (MySQL):

- Download and install MySQL database. Through this link <https://dev.mysql.com/downloads/windows/installer/5.7.html>
- Select the installer that was compatible with your pc but I would recommend the one with 373.MB

MySQL Community Downloads
MySQL Installer



8. Explore Extensions and Plugins:

Explore available extensions, plugins, and add-ons for your chosen text editor or IDE to enhance functionality, such as syntax highlighting, linting, code formatting, and version control integration.

- Open Visual Studio Code:
- Launch VS Code on your computer.
- Open the Extensions View:
- Click the Extensions icon in the Activity Bar or press Ctrl+Shift+X (Windows/Linux) or Cmd+Shift+X (Mac).
- Explore Extensions:
- Use the search bar in the Extensions view to find specific extensions

- Install Key Extensions:
 1. Python Extension: Provides support for Python development.
 2. Prettier - Code Formatter: Automatically formats your code.
 3. ESLint: Real-time linting and error checking for JavaScript/TypeScript.
 4. GitLens - Git supercharged: Enhances Git capabilities in VS Code.
 5. Live Server: Launches a local development server with live reload.
 6. Docker: Adds Docker support for containerized applications.
 7. MySQL: Provides support for MySQL database management.
- 8. Configure Installed Extensions:
 - Check the extension documentation for any additional configuration needed.
 - Explore More Extensions:
 - Continue exploring other extensions based on your specific needs.
 - Manage Installed Extensions:
 - View, disable, or uninstall extensions from the Installed section in the Extensions view.
 - Customize Settings:
 - Adjust settings for your extensions and VS Code environment through the Settings view.