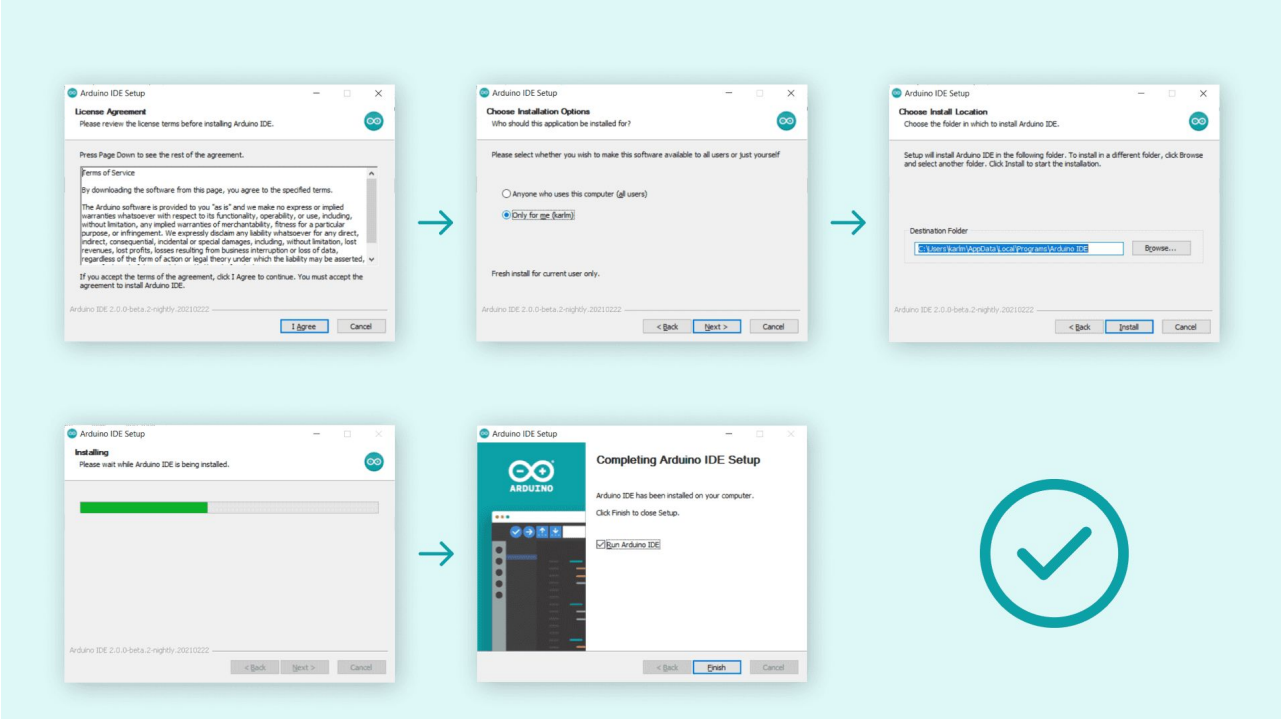
Getting Started

1. **Download the Arduino IDE**
    - Arduino Official Website
2. **Install the Arduino IDE software**

For Windows

1. Run the downloaded installer (usually an executable file with a `.exe` extension).
2. Follow the on-screen instructions to complete the installation.



Installation process on Windows. Image source: Arduino Official Website

For macOS

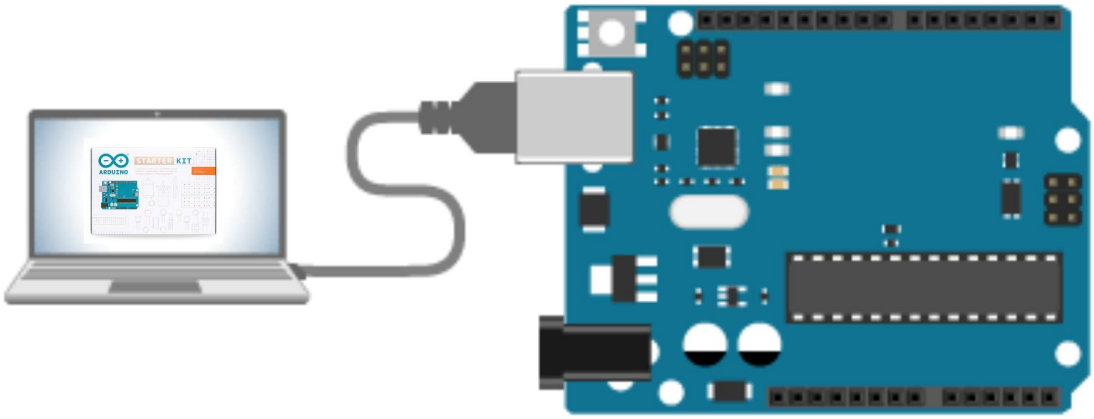
1. Open the downloaded .dmg file.
2. Drag the Arduino IDE icon to your Applications folder.

For Linux

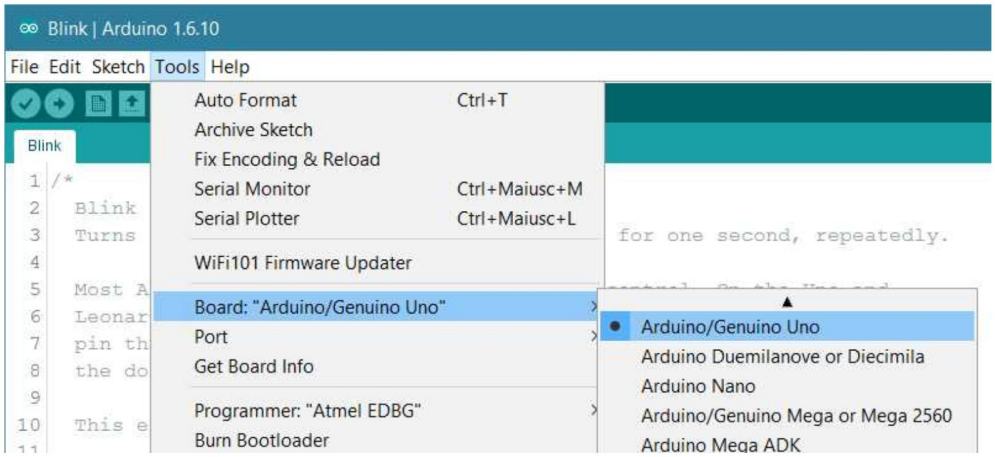
1. Extract the downloaded archive to your desired location.
2. Run the install.sh script in the extracted folder.
3. Follow any additional instructions provided during the installation.

3. **Connecting Your Arduino Board**

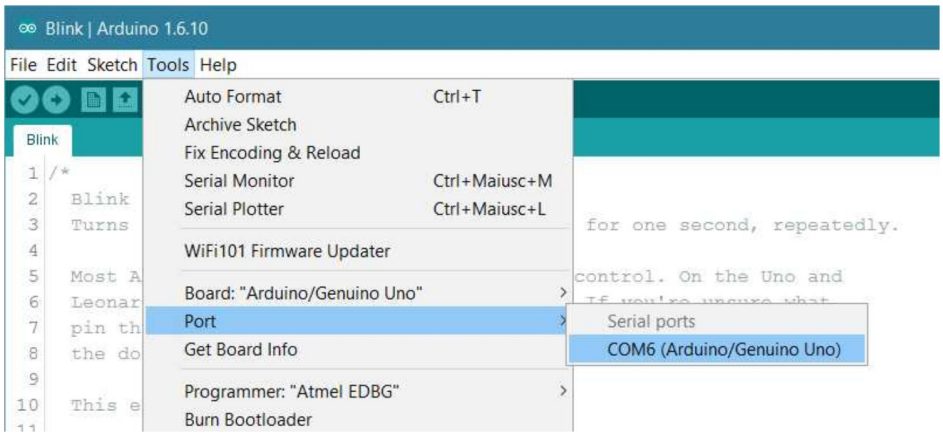
- Use a USB cable to connect your Arduino board to your computer.



- Select the appropriate Arduino board from the "Tools" menu.



- Choose the correct port your Arduino is connected to from the "Tools" menu.



4. **Writing Your First Sketch (Program)**

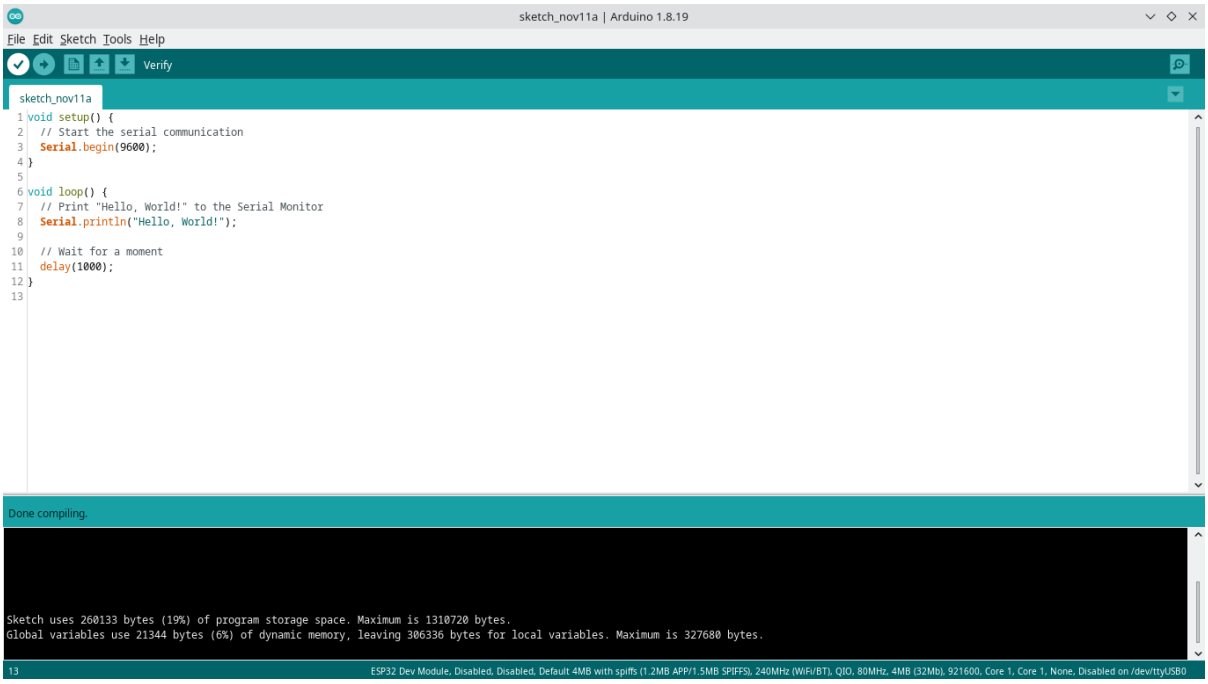
- Create a new sketch by clicking "File" and then "New."
- Write your code in the integrated text editor.
- sample code

```
void setup() {
    // Start the serial communication
    Serial.begin(9600);
}

void loop() {
    // Print "Hello, World!" to the Serial Monitor
    Serial.println("Hello, World!");
    // Wait for a moment
    delay(1000);
}
```

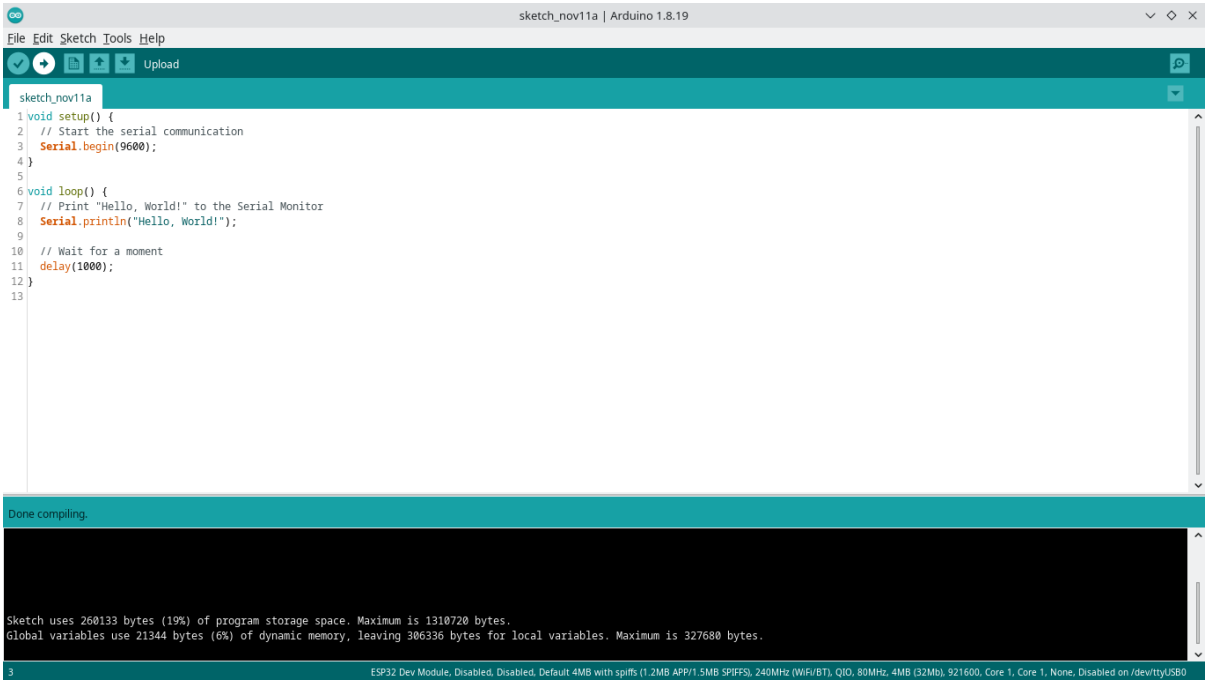
5. **Compile Code**

- Click the "Verify" button to check for syntax errors.



6. **Upload Code**

- Click the "Upload" button to transfer your code to the Arduino board.



7. **Monitoring Serial Output**

- Open the Serial Monitor to observe output.