

→ Arduino Code Basics :→ we have already discussed the popular Arduino Boards, Arduino IDEs, and installation process of the Arduino Software. we learned that Arduino IDE (Integrated Development Environment) allows us to draw the sketch and upload it to the various Arduino boards using code. The code is written in a simple programming language similar to C and C++.

The initial step to start with Arduino is the IDE download and installation.

let's discuss the basics to start with Arduino programming :→

① Brackets → There are two types of Brackets used in the Arduino Coding, which are listed below.

- Parentheses ( )
- Curly Brackets { }

• Parentheses ( ) → The parentheses brackets are the group of the arguments, such as method, function, or a code statement. These are also used to group the math equation.

• Curly Brackets { } → The statements in the code are enclosed in the curly brackets. we always require closed curly brackets to match the open curly brackets in the code or sketch.

Open Curly bracket - '{'  
Closed Curly bracket - '}'

Date.....

→ Line Comment :→ There are two types of line comments, which are listed below:→

- Single line Comment
- Multi-line Comment

// Single line Comment :→ The text that is written after the two forward slashes are considered as a single line comment. The compiler ignores the code written after the two forward slashes. The comment will not be displayed in the output. Such text is specified for a better understanding of the code or the explanation of any code statement.

The // (two forward slashes) are also used to ignore some extra lines of code without deleting it.

• /\* Multi-line Comment \*/ :→ The Multi-line comment is written to group the information for clear understanding. It starts with the single forward slash and an asterisk symbol (/\*). It also ends with the /\*. It is commonly used to write the larger text. It is comment, which is also ignored by the compiler.

→ Raspberry pi :→ Raspberry pi the name of the "Credit Card-Sized computer based" developed by the Raspberry pi foundation, based in the UK. It gets plugged in a TV or monitor and provides a fully functional computer capability.

• Raspberry pi is developed by Raspberry pi Foundation in the United Kingdom. The Raspberry pi is a series of powerful,