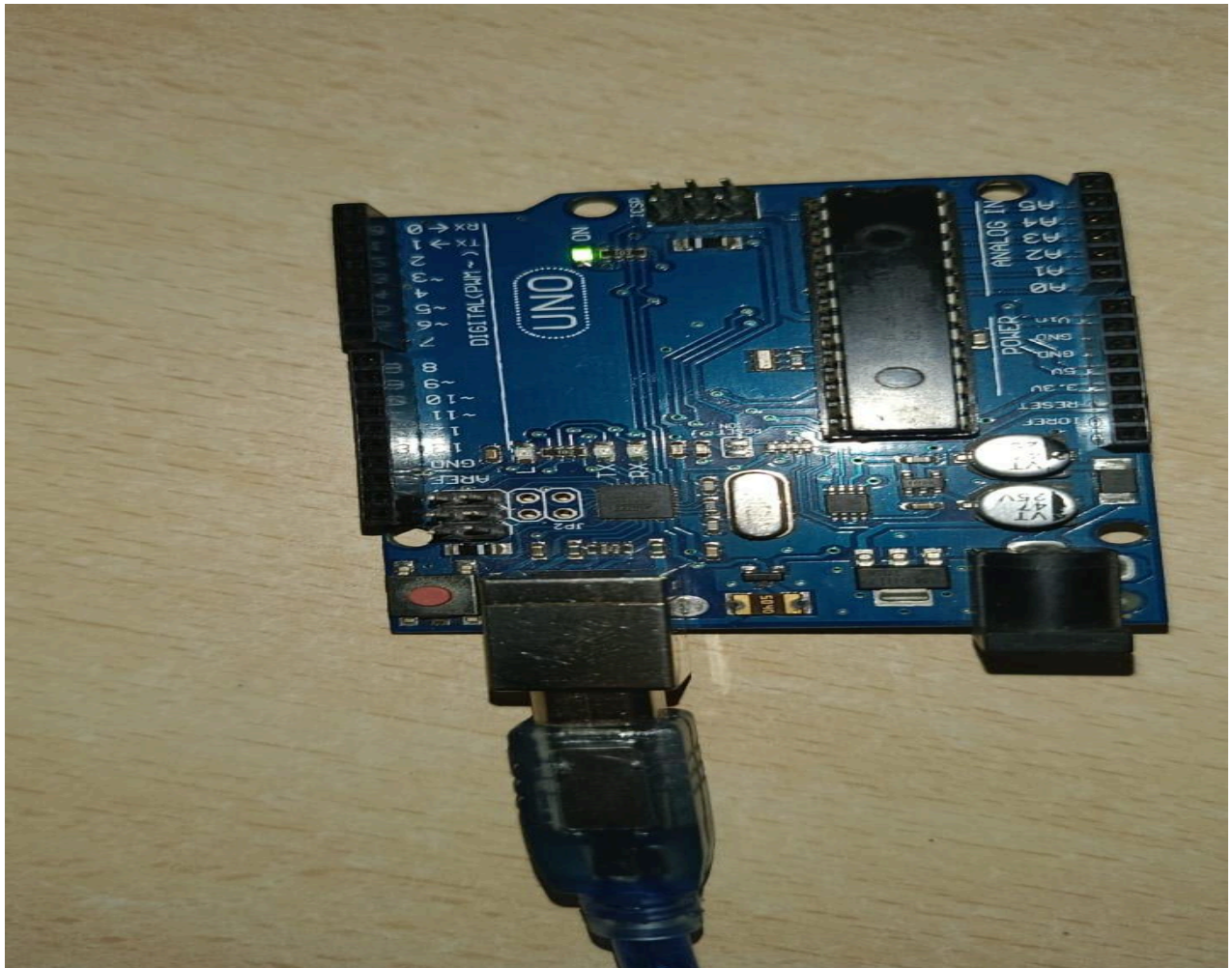


Basics of Arduino

07.6.2024



Step 1

Download Latest version in arduino

[arduino.cc](https://www.arduino.cc)

Connection components

Usb cable

Arduino board

App setup

step1:Open arduino

step2:come to the tools in menu bar next setup to port

step3:Next setup the board what did you have in tools option

step4:The arduino app shows the void setup . void setup start with open curve and end with close curve bracket and set the arduino up with void loop

Arduino board

In side of the arduino have digital pin that is used to giving input and get output

Over Fist thing is ON the LED light in board using code in arduino board

Connect the arduino board into pc or computer next go to the arduino app next follow above step and we put code on the arduino

Code

Pin 13 can be used to turn on the light by giving input to it using code in the void "pinMode (13,OUTPUT) ;"and the second parameter is output ";" remember to include the semicolon.

The LED will then be turned on by sending a signal to the board through the "digitalWrite" code in the void loop. This code has a bumpy font with the first letter in caps and no spaces between the letters, making it easier to read. We also provide a parameter (13, HIGH).

Excellent that the board's LED is on and receiving 5 volts.

The LED light is turned off by the second program:

low command that prevents the board's LED from turning on at 5 volts.

Next, we instruct the LED light to blink.

We provide a delay command that provides the time in milliseconds for both ON and OFF. In this case, the delay for ON LED is 900, and the delay for OFF LED is 900.

code:

```
void setup() {  
  
    pinMode (13, OUTPUT); // put your setup code here, to run once:  
  
}  
  
void loop() {  
    // put your main code here, to run repeatedly:  
    digitalWrite(13,HIGH);  
    delay(900);  
    digitalWrite(13,LOW);  
    delay(900);  
}
```