



# UNIVERSITY OF SCIENCE - VNUHCM

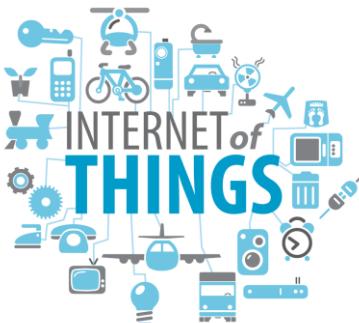
## Faculty of Information Technology

# INTERNET OF THINGS

## 1.1

## INTRODUCE TO THE ARDUINO

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LECTURER: LÊ QUỐC HÒA

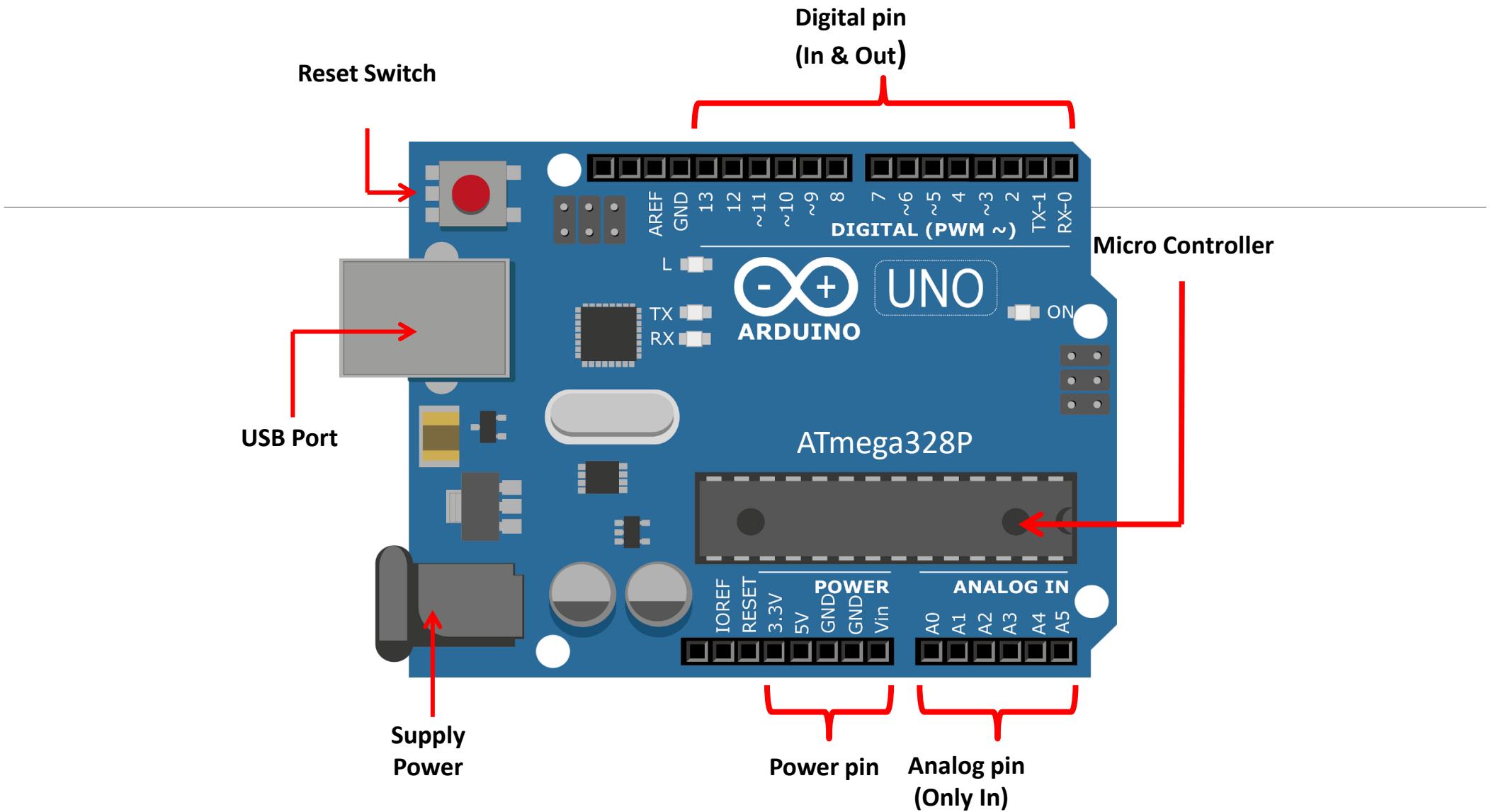
# Content

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1. Arduino board
2. Basic electronic devices
3. Arduino IDE
4. The first program “Hello World”

Arduino board

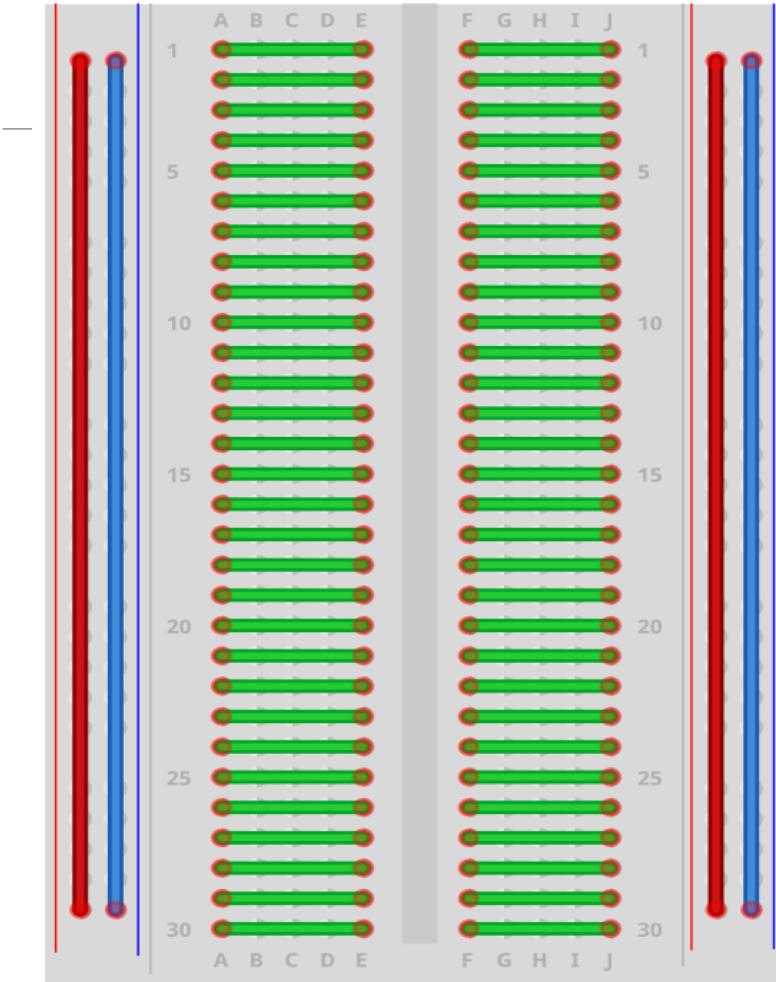




# Electronic devices



# Test board – Bread board



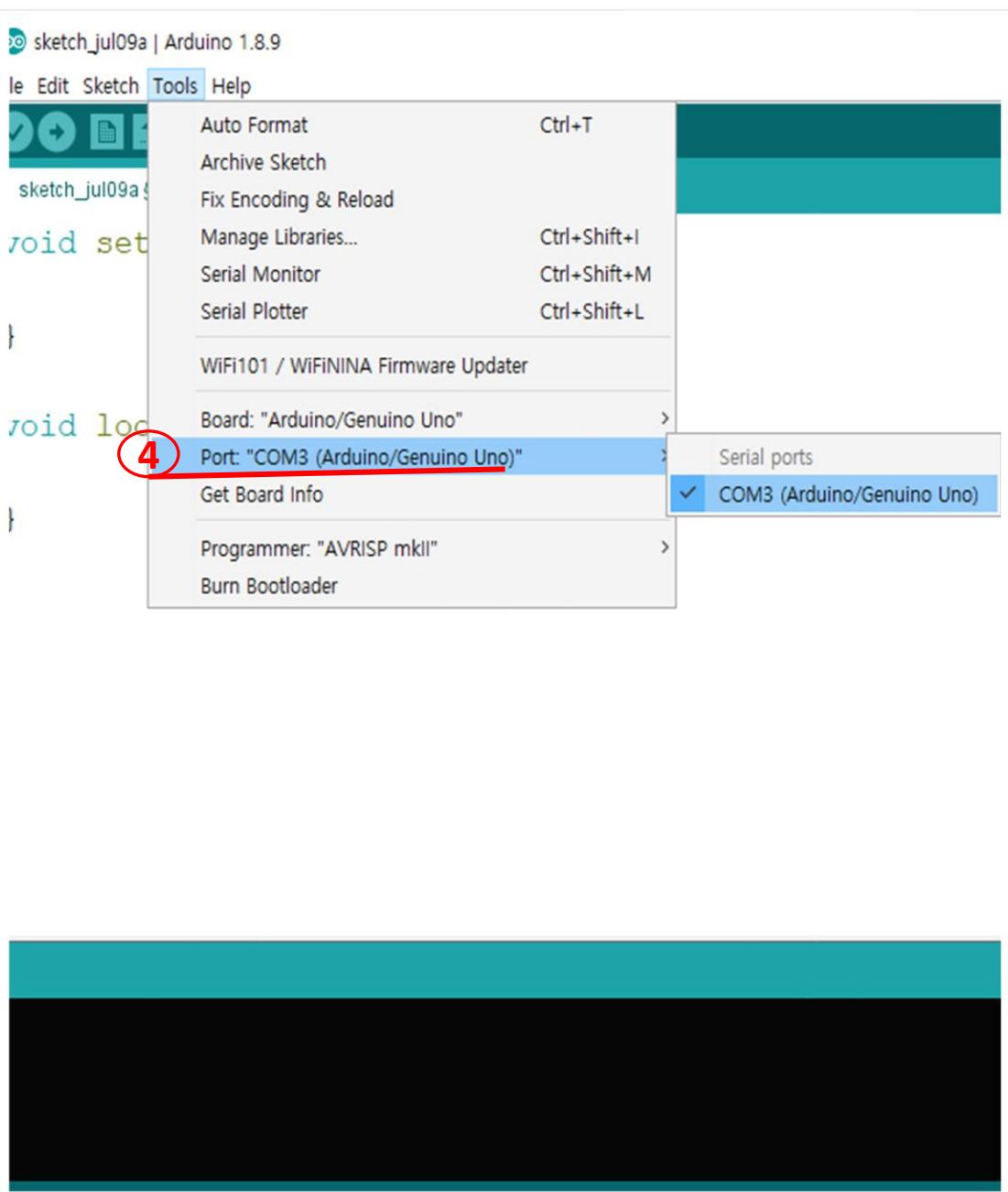
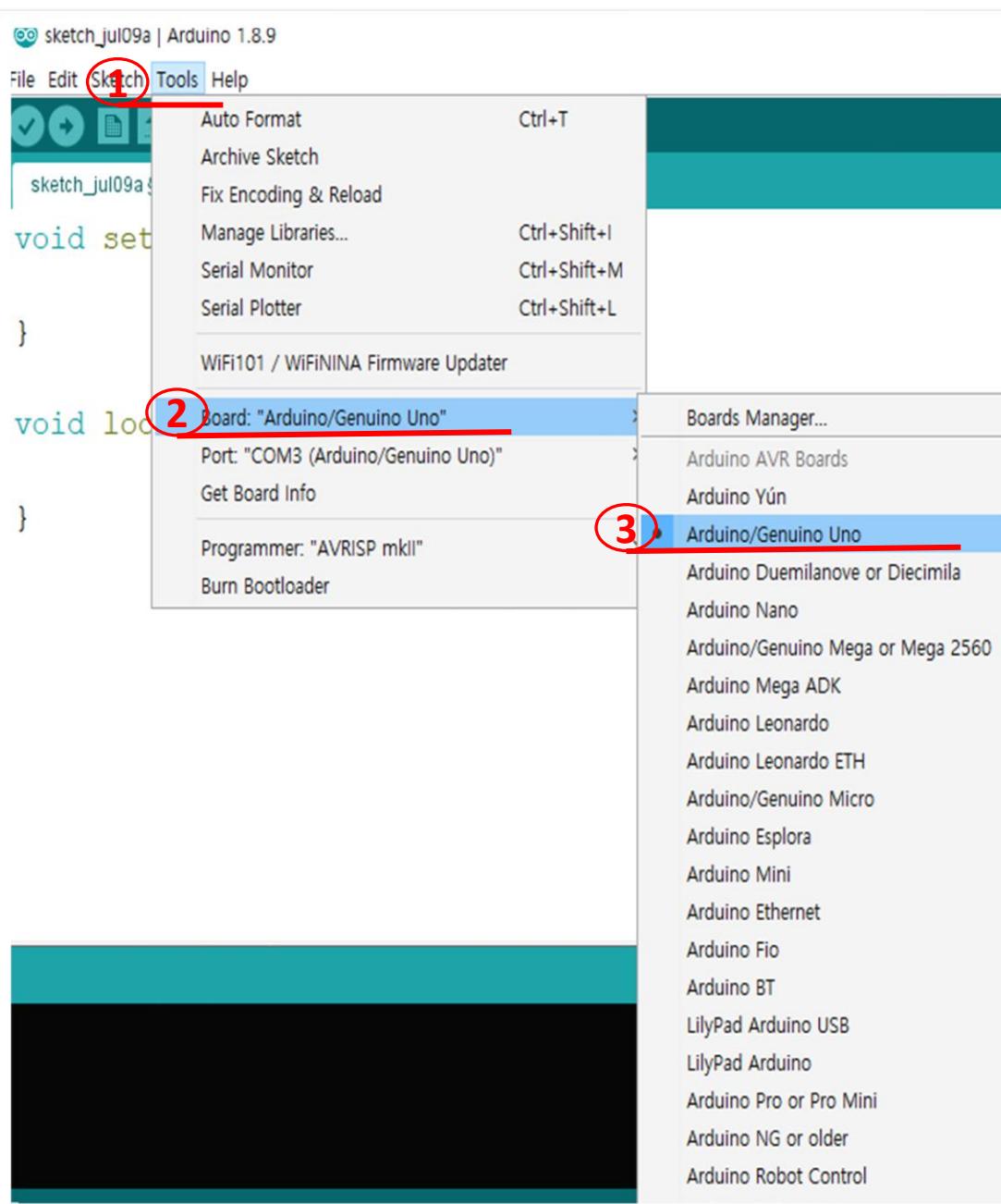
< Bread Board >

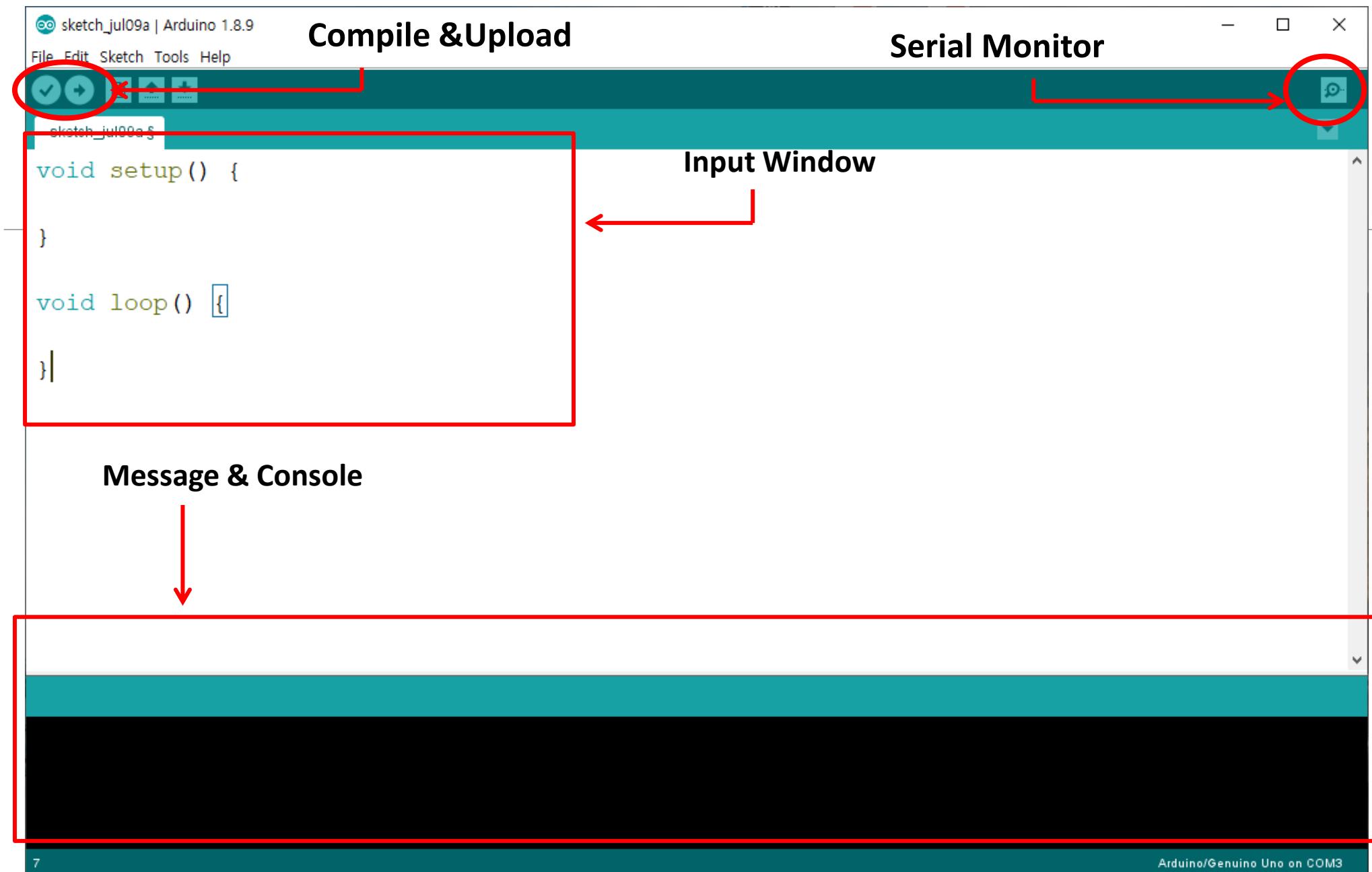


< Inside of Bread Board >



Arduino IDE





> Hello world

The First Program

```
int a = 30;

void setup() {
  Serial.begin(9600);          //start Serial communication, Transmission speed is 9600
}

void loop() {
  // put your main code here, to run repeatedly:
  Serial.println(a);           //print out the value of variable a
  Serial.println("Hello World"); //print out Hello World
  delay(1000);
}
```