first we aploaded some libraries in arduiondo like the maneger of the board free bootle and some other things then we put examle like blink and take the code and put it in simulator and the led is on then wait a second then the led is off and wait again .

// the setup function runs once when you press reset or power the board

void setup() {

// initialize digital pin LED\_BUILTIN as an output.

pinMode(LED\_BUILTIN, OUTPUT);

}

// the loop function runs over and over again forever

void loop() {

digitalWrite(LED\_BUILTIN, HIGH); // turn the LED on (HIGH is the voltage level)

delay(1000); // wait for a second

digitalWrite(LED\_BUILTIN, LOW); // turn the LED off by making the voltage LOW

delay(1000); // wait for a second

}