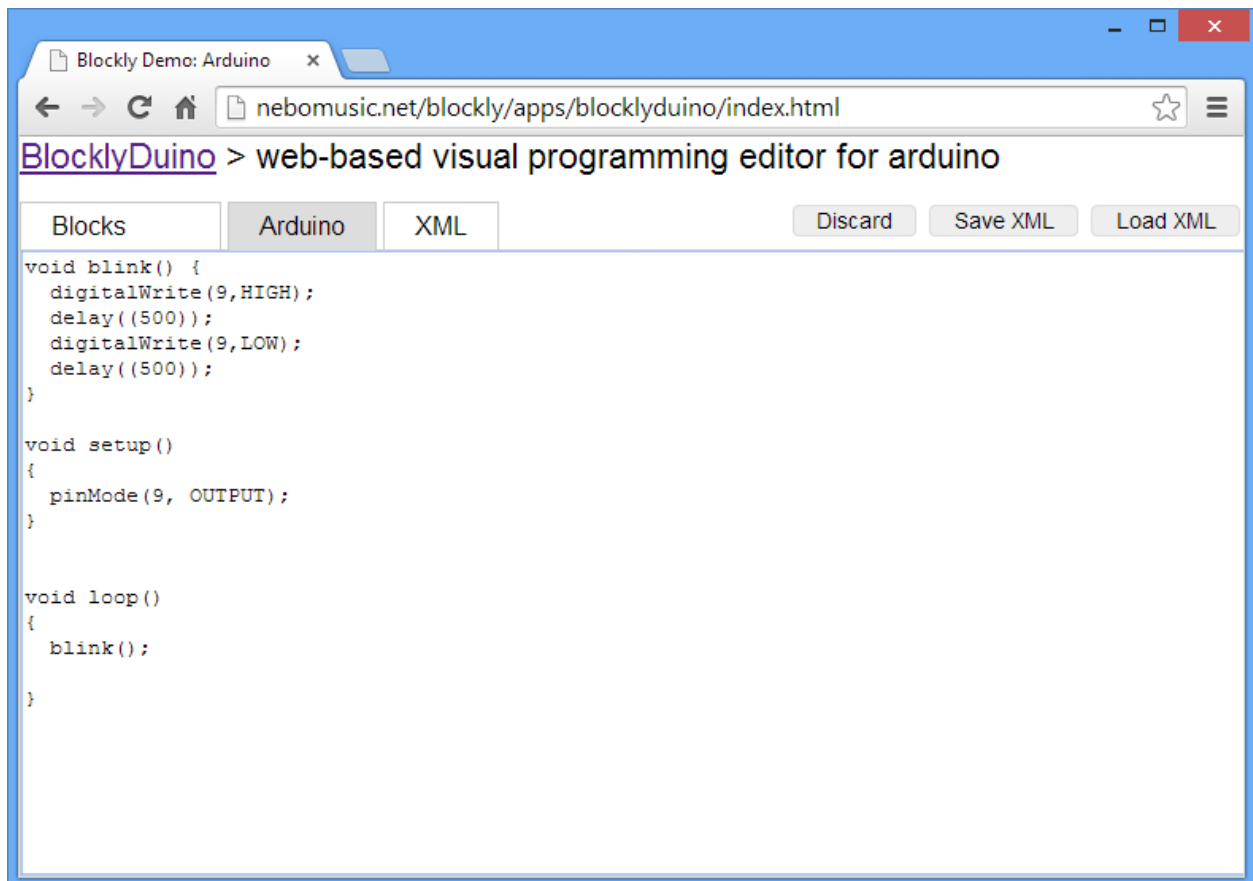


Downloading the Blockly Program to the Arduino

1. Click on the Arduino Sketch Icon to start Sketch.



2. Plug the Arduino board into the computer's USB port.
3. Go back to the website and click on the 'Arduino' tab.

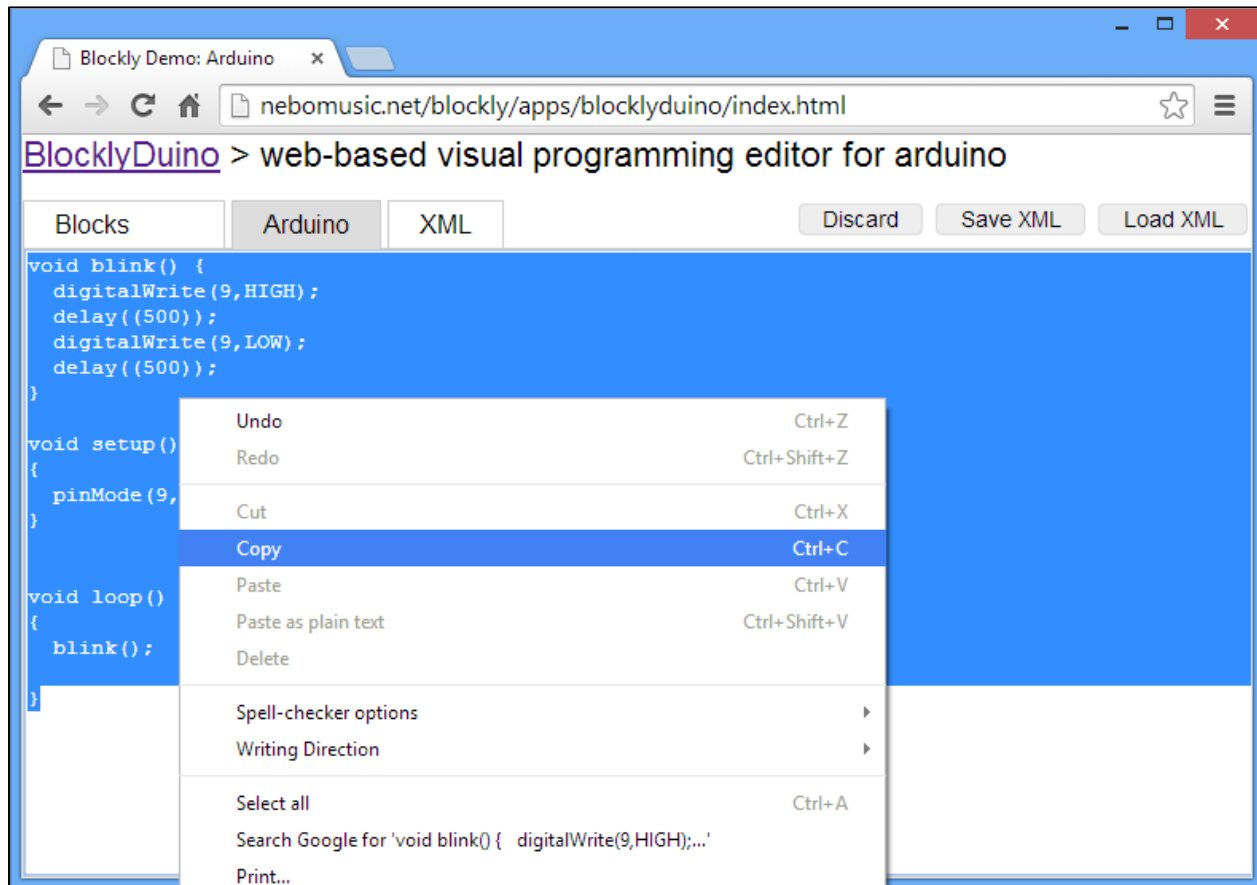
A screenshot of a web browser window showing the BlocklyDuino interface. The browser tab is titled "Blockly Demo: Arduino" and the address bar shows the URL "nebomusic.net/blockly/apps/blocklyduino/index.html". The page title is "BlocklyDuino > web-based visual programming editor for arduino". There are three tabs: "Blocks", "Arduino" (which is selected), and "XML". To the right of the tabs are three buttons: "Discard", "Save XML", and "Load XML". The main area contains a text editor with the following C++ code:

```
void blink() {
  digitalWrite(9,HIGH);
  delay((500));
  digitalWrite(9,LOW);
  delay((500));
}

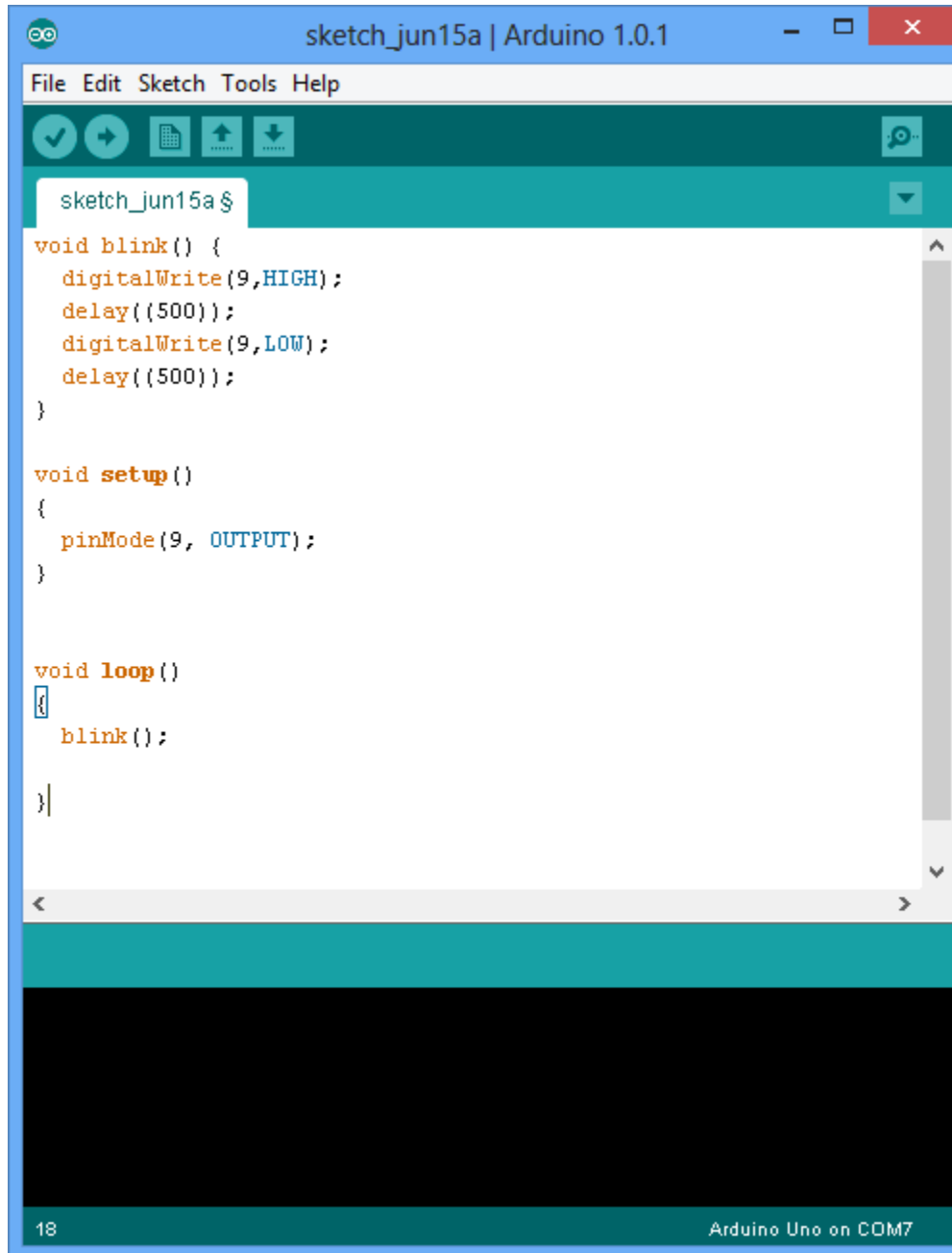
void setup()
{
  pinMode(9, OUTPUT);
}

void loop()
{
  blink();
}
```

4. When we drag the blocks in the Block view, the website automatically creates the text code to load into the Arduino through Sketch. Select all the code in the Arduino tab and right click and select 'copy'.



5. Go to Arduino Sketch right click. Select "Paste" to put the code into Sketch.



The screenshot shows the Arduino IDE interface. The window title is "sketch_jun15a | Arduino 1.0.1". The menu bar includes "File", "Edit", "Sketch", "Tools", and "Help". The toolbar contains icons for a checkmark, a right arrow, a grid, an upload arrow, a download arrow, and a speech bubble. The sketch name "sketch_jun15a" is displayed in the top left of the editor area. The code in the editor is as follows:

```
void blink() {  
  digitalWrite(9,HIGH);  
  delay((500));  
  digitalWrite(9,LOW);  
  delay((500));  
}  
  
void setup()  
{  
  pinMode(9, OUTPUT);  
}  
  
void loop()  
{  
  blink();  
}
```

The status bar at the bottom left shows the number "18" and the bottom right shows "Arduino Uno on COM7".

6. Click the Upload Icon to lead the code onto the Arduino.

