1 Blink Program

Yes; program works on Arduino Uno as intended.

2 Name Program

See attached files.

3 Modified Blink

See attached files.

4 Transform Step

```
void setup() {}
  void loop() { my_function();}
   void my_function()
3
4
     void setup(){
5
       Serial.begin(9600);
6
     void loop(){
9
       Serial.println('`AM I BEING ANNOYING?'');
10
       delay(1000);
11
     }
12
13
```

After running ino build, the following .cpp file was output after a transformation in the build process:

```
#include <Arduino.h>
void setup();

void loop();

#line 1 ''src/sketch.ino''

void setup(){
    Serial.begin(9600);
}
```

```
9 void loop(){
   Serial.println('`AM I BEING ANNOYING?'');
   delay(1000);
   }
}
```

5 Serial.begin(9600)

9600 represents the **Baud rate** (in units of symbols per second). The number 9600 is one of historical relevance and is used today for compatability reasons. The function itself is used to establish serial communications with a computer, the argument being the rate.

6 Secondary Serial Monitor

Since I have been using ino for most of my work on the Arduino, I have been using picocom to talk to the Arduino. In Figure 1, a screenshot of picocom in action is shown.



Figure 1: A screenshot of picocom in use