Physical Computing









Physical Computing

System Model





System Diagram



Arduino



System Diagram













Board Details



Arduino Uno

Board Details



Arduino Uno









System Diagram





IDE Details



Arduino

Blink		E
/* Blink Turns on an LED on for o	ne second, then off for one second, repeatedly.	
This example code is in */	the public domain.	
<pre>void setup() { // initialize the digita // Pin 13 has an LED com pinMode(13, OUTPUT); }</pre>	l pin as an output. nected on most Arduino boards:	
<pre>void loop() { digitalWrite(13, HIGH); delay(1000); digitalWrite(13, LOW); delay(1000); }</pre>	// set the LED on // wait for a second // set the LED off // wait for a second	
	<u>^</u>	
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IDE Details



IDE Details



IDE Details



IDE Details



IDE Details



IDE Details



IDE Details



Code Basics



- /* Blink Turns on an LED on for one second, then off for one second, repeatedly.
- This example code is in the public domain. * /

```
void setup() {
```

}

```
// initialize the digital pin as an output.
// Pin 13 has an LED connected on most Arduino boards:
pinMode(13, OUTPUT);
```

```
void loop() {
  digitalWrite(13, HIGH);
  delay(1000);
  digitalWrite(13, LOW); // set the LED off
  delay(1000);
}
```

// set the LED on // wait for one second // wait for one second



Code Basics





Code Basics



Code Basics







"Hello World!"

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"Hello World!"





"Hello World!"

