

# For loop examples

```
Arduino 1.0.6
File Edit Sketch Tools Help
_1CountDown
// One count down

void setup() {
  Serial.begin(9600); //initialize communication for serial monitor
  Serial.println("final count down: ");
  delay(1000);
  for(int i=10;i>=0;i--){ //count down from 10 to 0
    Serial.println(i); //print number on serial monitor
    delay(1000); //wait for one sec between numbers
  }
}

void loop() {
  // nothing there
}
```

Done Saving.

The sketch name had to be modified. Sketch names can only consist of ASCII characters and numbers (but cannot start with a number). They should also be less than 64 characters long.

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```
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InfiniteCountDowns $
// count down repeats indefinitely

void setup() {
  Serial.begin(9600); //initialize communication for serial monitor
}

void loop() {
  Serial.println("final count down: ");
  delay(1000);
  for(int i=10;i>=0;i--){ //count down from 10 to 0
    Serial.println(i); //print number on serial monitor
    delay(1000); //wait for one sec between numbers
  }
  delay(5000); //wait 5 seconds between count downs
}
```

Done Saving.

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```
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_3CountDowns $
//count down will only happen three times

void setup() {
  Serial.begin(9600); //initialize communication for serial monitor
  for (int j=1;j<=3;j++){ // count down only repeats three times
    Serial.println("final count down: ");
    delay(1000);
    for(int i=10;i>=0;i--){ //count down from 10 to 0
      Serial.println(i); //print number on serial monitor
      delay(1000); //wait for one sec between numbers
    }
    delay(5000); //wait 5 seconds between count downs
  }
}

void loop() {
  // nothing there
}
```

Done Saving.

The sketch name had to be modified. Sketch names can only consist of ASCII characters and numbers (but cannot start with a number). They should also be less than 64 characters long.

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