

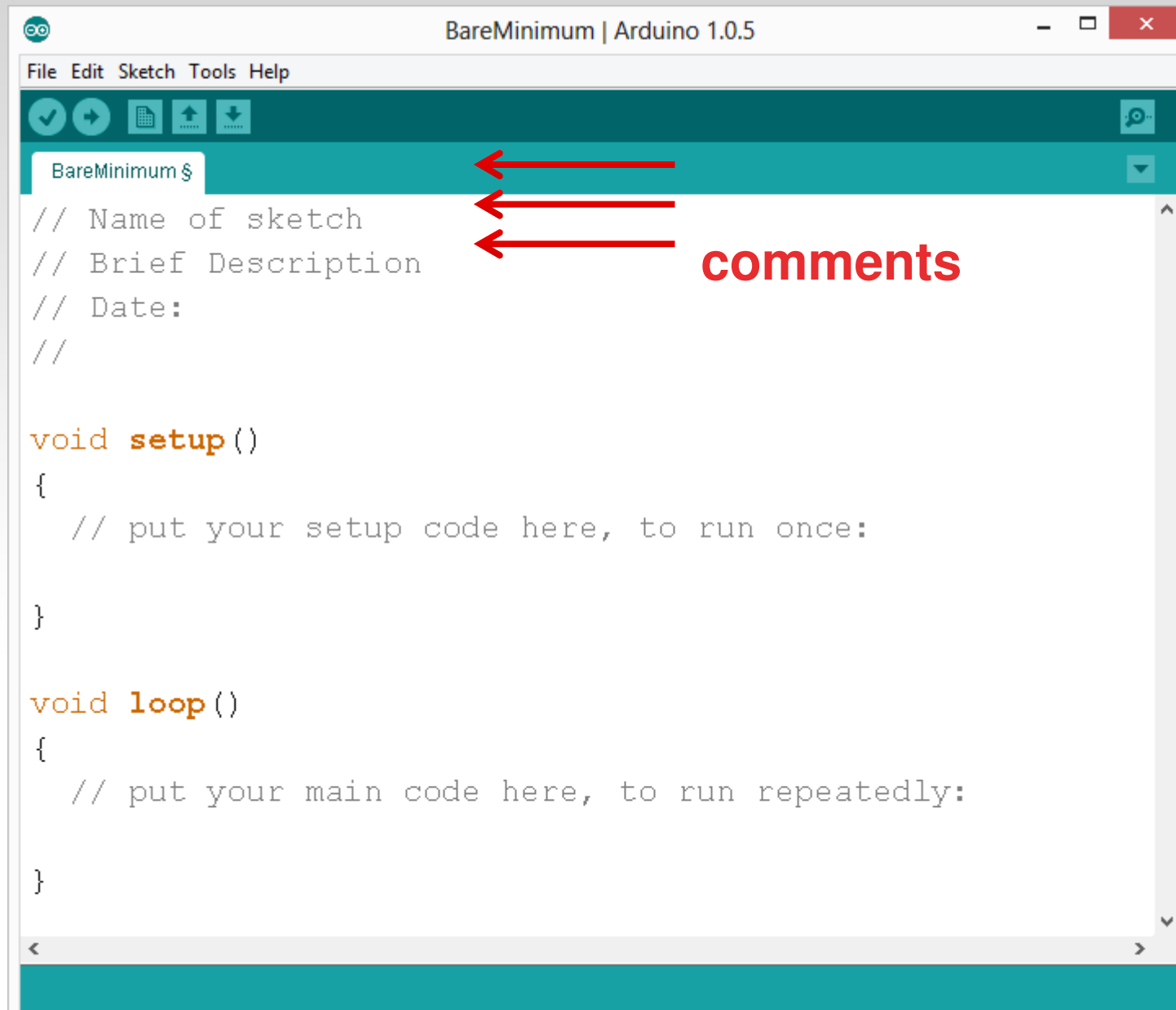
# Comments, Comments, Comments

Comments are for you – the programmer and your friends...or anyone else human that might read your code.

```
// this is for single line comments
// it's good to put a description at the
  top and before anything 'tricky'
/* this is for multi-line comments
   Like this...
   And this...
*/
```



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BareMinimum | Arduino 1.0.5

File Edit Sketch Tools Help

BareMinimum \$

```
// Name of sketch
// Brief Description
// Date:
//

void setup()
{
  // put your setup code here, to run once:
}

void loop()
{
  // put your main code here, to run repeatedly:
}
```

comments



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# Three commands to know...

```
pinMode (pin, INPUT/OUTPUT);
```

```
ex: pinMode (13, OUTPUT);
```

```
digitalWrite (pin, HIGH/LOW);
```

```
ex: digitalWrite (13, HIGH);
```

```
delay (time_ms);
```

```
ex: delay (2500); // delay of 2.5 sec.
```

```
// NOTE: -> commands are CASE-sensitive
```



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# Programming Concepts: Variables

ProtosnapProMiniExample2 \$

```
// Comments go here
// Written by:  Joesephine Jones
// Date:  April 12, 2013

int sensorValue;
int ledPin;

void setup()
{
  // put your setup code here, to run once:
  int setupVariable;

}

void loop()
{
  // put your main code here, to run repeatedly:
  int loopScopeVariable
}
```

Variable Scope

*Global*

---

*Function-level*

# Programming Concepts: Variable Types

## Variable Types:



8 bits

byte  
char



16 bits

int  
unsigned int



32 bits

long  
unsigned long  
float



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