

Cheat_Sheet for Analog/Digital Reading/Writing

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// ***** in Arduino:

int Pin = 9; //an example of a pin. Define them in global scope

```
void setup(){  
  pinMode(Pin, OUTPUT); //define this for all your pins they could be INPUT as  
  well  
}
```

```
void loop() {
```

```
  int b=analogRead(pin); // the value is between 0-1023  
  analogWrite(pin,value); // you could only use pin 9,10, 11 for writing analog  
  values. Make sure to connect a resistor on their way!
```

Important note: The data should be between 0 -255. If it is greater then change it. You could use "map" function:
http://processing.org/reference/map_.html

```
  int a= digitalRead(Pin); // HIGH or LOW  
  digitalWrite(Pin, val); // same here!
```

```
}
```

Another special note: If you are using board make sure you connect the Ground of Arduino to the Ground of your board with a wire!