

```
/*
Tech198_demo
Author: Alberto Tam Yong
Date: 25 November 2013
```

Sample code for Tech 198 Arduino Library

```
1. Declare Library
2. Select four pins (must be pins with capable of PWM)
3. Syntax for motor() function:
    motor( <motorSelect> , <motorDirection> , <motorSpeed> );
    motor( <0 or 1>, <0 or 1>, <0 to 255> );
```

Examples:

```
motor(0,0,0); //First motor, forward, speed = 0 out of 255;
motor(0,1,128); //First motor, reverse, speed = 128 out of 255;
motor(1,0,255); //Second motor, forward, speed = 255 out of 255;
*/
```

```
//Declaring Library
#include <Tech198.h>
```

```
//Motor Pins
//Motor 1 signals connected to pins 3 and 5
//Motor 2 signals connected to pins 6 and 9
Tech198 robot(3,5,6,9);
```

```
void setup()
```

```
{
}
```

```
void loop()
```

```
{
    //Run motor 1
    robot.motor(0,1,128); //Forwards
    delay(2000);
    robot.motor(0,0,128); //Backwards
    delay(2000);
    robot.motor(0,0,0); //Stop
    delay(1000);

    //Run motor 2
    robot.motor(1,1,128); //Forwards
    delay(2000);
    robot.motor(1,0,128); //Backwards
    delay(2000);
    robot.motor(1,0,0); //Stop
    delay(1000);
}
```