

```
'#####  
#####
```

```
'***** In the name of ALLAH  
*****
```

```
'#####  
#####
```

'Driver Motor By L²⁹⁸ and Control Speed and Direction by uController

'Design and Test by <https://www.asemanx.com>

```
'*****
```

'Define and Configuration the Chip:

```
$regfile = "attiny13.dat"
```

```
$crystal = 960000
```

```
$hwstack = 16
```

```
$swstack = 16
```

```
$framesize = 16
```

```
'*****
```

'Config Peripheral

```
Config Timer0 = Pwm , Prescale = 256 , Compare A Pwm = Clear Up
```

```
'*****
```

'Config GPIO:

```
Config Portb.0 = Output           'Enable of L298
```

```
Config Portb.1 = Output           'Input 1 of L298
```

```
Config Portb.2 = Output           'Input 2 of L298
```

```
Config Pinb.3 = Input             'Direction of Motor
```

```
Config Pinb.4 = Input             'Speed of Motor
```

```
'*****
```

'Alias Assigment:

```
L298_enable Alias Portb.0
```

```
L298_input1 Alias Portb.1
```

L⁹^_input Alias Portb.

Key_direction Alias Pinb.

Key_speed Alias Pinb.4

'Define the Variables:

Dim Direction_state As Bit

Dim Speed As Byte

'Primary Value of Variables:

Reset Direction_state

Set L⁹^_input

Reset L⁹^_input

Speed = 1

'Main of Program:

Do

Pwm.a = Speed

If Key_direction = 1 Then

If Direction_state = 1 Then

Direction_state = 0

Reset L⁹^_input

Reset L⁹^_input

Waitms 100

Reset L⁹^_input

Set L⁹^_input

Goto Here

End If

If Direction_state = 0 Then

```
Direction_state = 0
Reset L^v^_input
Reset L^v^_input
Waitms 100
Set L^v^_input
Reset L^v^_input
Goto Here
End If
Here:
If Key_direction = 0 Then Goto Here
End If
```

```
If Key_speed = 0 Then
Speed = Speed + 1
If Speed >= 20 Then Speed = 1
Waitms 20
End If
```

```
Loop
```

```
!*****
```

```
End                                     'end program
```

```
!*****
```