motor_dir var PORTB.4 'low: CW high: CCW setting motor direction to PORTB.4
.
motor_step var PORTB.5 'setting motor step to PORTB.5
up_button var PORTB.1 'set up button to PORTB.1
down_button var PORTB.2 'set down button to PORTB.2

position var bit 'define position for anemometer

i var word 'set i to a word

' set internal oscillator
define osc 16
osccon.4 = 1
osccon.5 = 1
osccon.6 = 1

'define inputs and outputs
TRISB = %00000110 'B1 and B2 as inputs

'Main Loop to Run the Motor

position = 0 'setting "down" position for anemometer

start:
    if(up_button == 0)&&(down_button == 0)then 'neither up or down button is pressed
go to start
elseif(up_button == 1)&&(position = 0)then 'up button pressed
go to raiseanemometer
elseif(down_button == 1)&&(position = 1)then 'down button pressed
go to loweranemometer
else
    goto start
endif
raiseanemometer:
    high motor_dir 'set motor to CCW
i = 0
for i = 1 to 57600
  # of steps for motor
  pulsout motor_step, 100
  #send pulses to driver board
next i

position = 1
  position "up" anemometer
  goto start

loweranemometer:
  low motor_dir
  #set motor to CW
  i = 0
  for i = 1 to 57600
    # of steps for motor
   pulsout motor_step, 100
    #send pulses to driver board
  next i
  position = 0
  #position "down" for anemometer
  goto start
  
end