Flowchart:

# Flow Chart:

start

ANSELB=0;

TRISB=0;

ADC\_Init();

delay\_ms(100);

x=ADC\_Read(1);

(x<512)

PORTB=255

POPRTPORTB=255

NO

YES

PORTB=00

PORPORTB+PTB=0

Conclusion:

The conclusion about the delay routine is that the adc in our programme reads the analog value from the potentiometer after every 100 milli seconds and changes the ports according to that.The dealy can be timer absed or delay by adding libaray.In our programe we are using software based time delay.