**Progrm for sorting of no. in asc and des order**

**5A.ASCENDING**

#include <stdio.h>

#include <stdlib.h>

#include <pic18f4550.h>

void main(void)

{

int i,j,temp;

int num\_asc[] = {10,2,5,1,6};

for(i=0; i<=4; i++)

{ // point to LHS number

for(j=i+1;j<=4;j++) // point to RHS number

if (num\_asc[i] > num\_asc[j])

{ // if LHS > RHS , change the position

temp = num\_asc[i];

num\_asc[i] =num\_asc[j];

num\_asc[j]= temp;

}

}

**5 B descending**

// Sorting the array

#include <stdio.h>

#include <stdlib.h>

#include <pic18f452.h>

void main(void) {

int i,j,temp;

int num\_asc[] = {7,2,5,1,6};

for(i=0; i<=4; i++){ // point to LHS number

for(j=i+1;j<=4;j++) // point to RHS number

// MSDELAY(55250);

if (num\_asc[i] < num\_asc[j]){ // if LHS > RHS , change the position

temp = num\_asc[i];

num\_asc[i] =num\_asc[j];

num\_asc[j]= temp;

}

}

TRISA=0;

for(i=0; i<=4; i++)

{

// MSDELAY(250);

PORTA=num\_asc[i];

}

}