03 Write an Algorithm & Embedded C programs for i) Number Sorting in Ascending order & ii) Number Sorting in Descending order .

Number Sorting in Ascending order

#include <xc.h>

#include<pic18f452.h>

void main(void) {

int i,j,temp;

int asc[]={0x09,0x03,0x02,0x07};

for(i=0;i<=3;i++)

{

for(j=i+1;j<=3;j++)

{

if(asc[i]>asc[j])

{

temp=asc[i];

asc[i]=asc[j];

asc[j]=temp;

}

}

}

}

Number Sorting in Descending order .

#include <xc.h>

#include<pic18f452.h>

void main(void) {

int i,j,temp;

int asc[]={0x09,0x03,0x02,0x07};

for(i=0;i<=3;i++)

{

for(j=i+1;j<=3;j++)

{

if(asc[i]<asc[j])

{

temp=asc[i];

asc[i]=asc[j];

asc[j]=temp;

}

}

}

}