/* Sorting the array */

```c
#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;
     }
   }
}
```