

EE 154 Laboratory 6

Question 1:

Write a C program to find the minimum of array $a=\{23, 15, 19, 7, 12\}$. The output is as follows:

```
Minimum of array a is: 7
```

Hint: Define array "a".

```
#include "stdio.h"
#include "conio.h"
#define SIZE 5

int main() {
    // Find minimum of array "a".
    int min, i ;
    int a[SIZE] = {23, 15, 19, 7, 12} ;
    min = a[0] ;
    for(i=1 ; i<SIZE; i++)
        if(a[i] < min)
            min = a[i] ;

    printf("Minimum of array a is: %d\n", min);
    getch();
    return 0;
}
```

Question 2:

Write a C program to sort array $a=\{23, 15, 19, 7, 12\}$ in the ascending order. The output is as follows:

```
7 12 15 19 23
```

```
#include "stdio.h"
#include "conio.h"
#define SIZE 5

int main() {
    // Sort array "a" in the ascending order.
    int i , j, temp;
    int a[SIZE] = {23, 15, 19, 7, 12} ;

    for (i=0;i<SIZE-1;i++)
    {
        for(j=0; j<SIZE-1; j++)
        {
            if (a[j]>a[j+1])
            {
                temp = a[j+1] ;
                a[j+1] = a[j] ;
                a[j] = temp ;
            }
        }
    }

    for(i=0 ; i<SIZE; i++)
        printf("%d ", a[i]);

    getch();
    return 0;
}
```