

//Code: 0

//Given five positive integers, find the minimum and maximum values that can be calculated by summing exactly four of the five integers.

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```
#include<stdio.h>
```

```
void main(){
```

```
    int i,j,array[5],temp;
```

```
    printf("Enter five elements:\n");
```

```
    for(i=0;i<5;i++){
```

```
        scanf("%d",&array[i]);
```

```
    }
```

```
    //sorting the array
```

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

```
        for(j=0;j<5-i-1;j++){
```

```
            if(array[j]>array[j+1]){
```

```
                temp = array[j];
```

```
                array[j] = array[j+1];
```

```
                array[j+1] = temp;
```

```
            }
```

```
        }
```

```
    }
```

```
    //finding the minimum value by summing four out of five numbers
```

```
    int min_sum = 0;
```

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

```
        min_sum = min_sum + array[i];
```

```
    }
```

```

//finding the maximum value by summing four out of five numbers

int max_sum = 0;

for(i=1;i<5;i++){
    max_sum = max_sum + array[i];
}

printf("\n%d %d ",min_sum,max_sum);
}

```

OUTPUT:

```

E:\College\Christ University\Trimester 3\Data Structures\100 Days of Code\Question1.exe
Enter five elements:
1
2
3
4
5

10 14
-----
Process exited after 2.023 seconds with return value 7
Press any key to continue . . .

```

```

E:\College\Christ University\Trimester 3\Data Structures\100 Days of Code\Question1.exe
Enter five elements:
4
3
7
1
10

15 24
-----
Process exited after 8.128 seconds with return value 7
Press any key to continue . . .

```