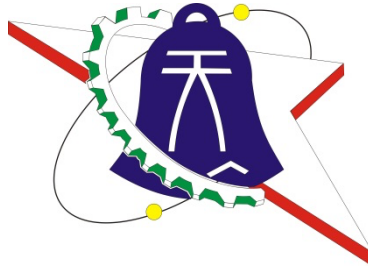


國立彰化師範大學技術及職業教育學院  
工業教育與技術學系



程式設計  
Homework

算術、最大和最小整數

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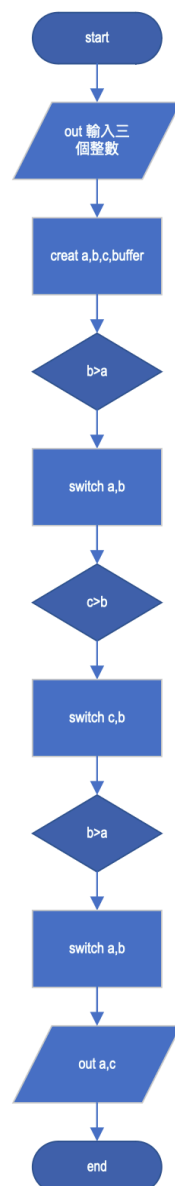
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## 一、 題目說明

輸入 3 個不同的整數，判斷大小，印出總和、平均數、乘積、最小值、最大值。

## 二、 流程圖



### 三、 程式碼

```
1 //
2 // main.cpp
3 // 算術、最大值、最小值
4 //
5 // Created by 莊杰庭 on 2024/2/21.
6 //
7
8 #include <iostream>
9
10 int main(void)
11 {
12     printf("Enter three different integers\n");
13     printf("the relationships they satisfy");
14
15     int num1;
16     int num2;
17     int num3;
18
19     printf("Enter three different num\n");
20     scanf("%d %d %d", &num1, &num2, &num3);
21
22     int sum;
23     sum=num1 + num2 + num3;
24     printf("sum is %d\n", sum );
25
26
27     int Average;
28     Average=(num1 + num2 + num3)/3;
29     printf("Average is %d\n", Average);
30
31     int Product;
32     Product=num1*num2*num3;
33     printf("Product is %d\n",Product );
34
35
36     printf("Enter three different num\n");
37     scanf("%d %d %d", &num1, &num2, &num3);
38     int Smallest = num1;
39     int Largest = num1;
40     if( num2 < Smallest){
41         Smallest=num2;
42     }
43     if(num3 < Smallest){
44         Smallest=num3;
45     }
46
47     //Largest
48     if(num2 > Largest){
49         Largest=num2;
50     }
51     if(num3 > Largest){
52         Largest=num3;
53     }
54     printf("%d is the Smallest of theses three numbers\n",Smallest);
55     printf("%d is the Largest of theses three numbers\n",Largest);
56 }
57
```

### 四、 執行結果

```
Enter three different integers
the relationships they satisfyEnter three different num
3 4 5
sum is 12
Average is 4
Product is 60
Enter three different num
|
```