1. （圓球體積）撰寫一個程式，定義具有一個引數的巨集，用來計算圓球的體積。程式應該計算半徑1到10的圓球體積，並以表格列出結果。圓球體積的公式如下

(4.0 / 3) \* π \* r3

其中π=3.14159，請由鍵盤輸入半徑。(15%)

2. （兩整數相加）撰寫一個程式，定義具有兩個引數x和y的巨集SUM，利用SUM產生以下的輸出：(15%)



3. （兩數中的最小值）撰寫一個定義和使用巨集MINIMUM2的程式，來找出兩個數中最小的數。請由鍵盤輸入數值。(20%)

4. （三數中的最小值）撰寫一個定義和使用巨集MINIMUM3的程式，來找出三個數中最小的數。MINIMUM3巨集應使用上題中的MINIMUM2巨集來找出最小的數。請由鍵盤輸入數值。(25%)

5. （將陣列內容加總）撰寫一個定義和使用巨集SUMARRAY的程式，來計算數值陣列的總和。此巨集的引數應該為陣列以及陣列的元素個數。(25%) integers[ 5 ] = { 1, 2, 3, 4, 5 }

1. ***(Volume of a Sphere)*** Write a program that defines a macro with one argument to compute the volume of a sphere. The program should compute the volume for spheres of radius 1 to 10 and print the results in tabular format. The formula for the volume of a sphere is

(4.0 / 3) \* π\* r3

where πis 14159, and input the r from the keyboard.

1. ***(Adding Two Numbers)*** Write a program that defines macro SUM with two arguments, x and y, and use SUM to produce the following output. Input the values from the keyboard.

The sum of x and y is 13

1. ***(Smallest of Two Numbers)*** Write a program that defines and uses macro MINIMUM2 to determine the smallest of two numeric values. Input the values from the keyboard.
2. ***(Smallest of Three Numbers)*** Write a program that defines and uses macro MINIMUM3 to determine the smallest of three numeric values. Macro MINIMUM3 should use macro MINIMUM2 defined in the above question to determine the smallest number. Input the values from the keyboard.
3. ***(Totaling an Array’s Contents)*** Write a program that defines and uses macro SUMARRAY to sum the values in a numeric array. The macro should receive the array and the number of elements in the array as arguments. integers[ 5 ] = { 1, 2, 3, 4, 5 }