

Problem 1 :

Write a C program which reads two numbers a and b from the standard input (Keyboard) and swap them, and then print them back on screen.

Sample Input :

a = 5 , b = 7.8

Sample Output:

A = 7.8, b = 5

Problem 2:

Write a C program which reads two numbers “base” and “expo” , and calculate the power of base to the expo and print the result. Note that $\text{power}(\text{base}, \text{expo}) = \text{base} * \text{base} * \text{base} \dots \text{base}$ expo times.

Sample Input :

base = 5 , expo = 2

Sample Output:

Power(base,expo) = 25

Note: Do this task in two different ways(The first way is with the pow function predefined in the math.h header file , and the second way is by creating your own power function).

Problem 3:

Write a C program which Reads an integer N from the standard input. N is the size of the array arr. Fill array arr with N integers (from standard input). Print out the numbers of arr and their maximum.