Assignment #6c **PROG6c.BAS**

Parallel arrays - population and manipulation

Input:

a) Ask the user to enter 24 numbers. (In my example I used the first 24 numbers from the Fibonacci sequence).

Processing Requirements:

a) Write a FOR…NEXT loop that stores the first number in array A and the second in array B.
b) Compute the product of the corresponding elements of the two arrays, and place the results in array C.
c) Print arrays A, B and C's (12 elements) to the screen as shown below.

Output:

OUTPUT SCREEN

```
Enter number  2  for arrays A and B: ? 1,2
Enter number  3  for arrays A and B: ? 3,5
Enter number  4  for arrays A and B: ? 8,13
Enter number  5  for arrays A and B: ? 21,34
Enter number  6  for arrays A and B: ? 55,89
Enter number  7  for arrays A and B: ? 144,233
Enter number  8  for arrays A and B: ? 377,610
Enter number  9  for arrays A and B: ? 987,1597
Enter number  10  for arrays A and B: ? 2584,4181
Enter number  11  for arrays A and B: ? 6765,10946
Enter number  12  for arrays A and B: ? 17711,28657
 0 * 1 = 0
 1 * 2 = 2
 3 * 5 = 15
 8 * 13 = 104
 21 * 34 = 714
 55 * 89 = 4895
 144 * 233 = 33552
 377 * 610 = 229970
 987 * 1597 = 1576239
 2584 * 4181 = 1.08037E+07
 6765 * 10946 = 7.404969E+07
 17711 * 28657 = 5.075441E+08

Press any key to continue
```