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Write MALP for the following

1. A main procedure calls procedures named sum, difference, product and quotient. All procedures (except main) takes two numbers (x, y) as input arguments and returns the sum ($x + y$), difference ($x - y$), product ($x * y$) and quotient (x / y) values to the main procedure. The result of each operation is displayed to the user.

2. Linear search using procedure

Input arguments to the procedure: Address of the array, total number of elements and search element

Return value(s): 0 (element not found)

1 (element found), index

3. Print fibonacci series using procedures

Input arguments to the procedure: No. of terms

fib(0) = 0

fib(1) = 1

fib(n) = fib(n-1) + fib(n-2)

0, 1, 1, 2, 3, 5, 8, 13, 21,...

void fibo(int n)

```
{
    int a=0,b=1,c,i;
    for(i=1;i<=n-2;i++)
    {
        c=a+b;
        printf("%d\n",c);
        a=b;
        b=c;
    }
}
```