Date:

Bractical No.8

Aim: Write and execute two programs using functions based on parameters passing by reference. Theory: A reference parameter "refers" to the original date in the calling function Thus, any changes made to the parameter are also made to the original variable. Code: is to find the factorial of a number thing prototype. -> #include 25tdio.hr 1> To point the 'nth' Fibunacci series. \rightarrow #include & Stdio.h > int fib (int p): int main () { int a: printf("Enter the value of n: "); Scanf ("1.d", &n); printf ("1.d", Fib(n-1)); int fib (int n) { if (n < = 1) { ketwin n; else seturn fib(n-1) + fib(n-2); Shree Radhe

D'\coding\C\practicals\practicalEight\8.1.exe

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D:\coding\C\practicals\practicalEight\8.2.exe

Enter the two numbers : 56 65

Values you entered :
a : 56
b : 65

swapped values :
a = 65
b = 56

mant the oth Fibonacci so

3 (1 + 20) 71

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(=-n)d17 + (=-n)d17 number

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2) To swap the value of two variables using call by reference.
          -> #include < stdio.h?
               int swap (int *x, int *y);
               int a, b;
               int main () {
                printf ("Enter the two numbers: ");
                   scanf ("1.d 1.d", &a, &b);
                   pre print [" values you entered: In a: . Id In b: . Id In", a, I
                   Swap (&a, 6b);
                 printf ("Swapped values: In a = 1.d In b = 1.d" a, b
               int swap (int *x, int *y) {
                   temp = * (4)
                     *x = *y;
                   *y = temp;
                   3
        Conclusion:
                 Hence, I wrote and executed two programs using functions based on
                  parameters passing by reference.
Shree Radhe
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