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1 *****
2 * Programmer      : Ali Eshghi
3 * STUDENT ID      : 1112261
4 * CLASS           : MW - 7:30-9:50
5 * ASSIGNMENT #0   : Assignment 4 - Recursive
6 *****
7
8
9
10
11 MENU OPTIONS
12
13 1 - Calculate and Display Factorial of a Number
14 2 - Calculate and Display Fibonacci Series of a Number
15 3 - Compare Performance for Factorial Implementations
16 4 - Compare Performance for Fibonacci Series Implementations
17 0 -EXIT
18 Enter an userOption (0 to exit): 1
19 Enter the target number: 8
20
21 8! =  = 40320
22
23
24
25 MENU OPTIONS
26
27 1 - Calculate and Display Factorial of a Number
28 2 - Calculate and Display Fibonacci Series of a Number
29 3 - Compare Performance for Factorial Implementations
30 4 - Compare Performance for Fibonacci Series Implementations
31 0 -EXIT
32 Enter an userOption (0 to exit): 2
33 Enter the target number: 11
34
35 fib(11) = 89
36
37
38
39 MENU OPTIONS
40
41 1 - Calculate and Display Factorial of a Number
42 2 - Calculate and Display Fibonacci Series of a Number
43 3 - Compare Performance for Factorial Implementations
44 4 - Compare Performance for Fibonacci Series Implementations
45 0 -EXIT
46 Enter an userOption (0 to exit): 3
47 Enter the target number: 7
48 It took the program 0 microseconds to execute with recursive.
49 It took the program 0 microseconds to execute with loops.
50
51
52 MENU OPTIONS
53
54 1 - Calculate and Display Factorial of a Number
55 2 - Calculate and Display Fibonacci Series of a Number

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56 3 - Compare Performance for Factorial Implementations
57 4 - Compare Performance for Fibonacci Series Implementations
58 0 -EXIT
59 Enter an userOption (0 to exit): 3
60 Enter the target number: 12
61 It took the program 0 microseconds to execute with recursive.
62 It took the program 0 microseconds to execute with loops.
63
64
65 MENU OPTIONS
66
67 1 - Calculate and Display Factorial of a Number
68 2 - Calculate and Display Fibonacci Series of a Number
69 3 - Compare Performance for Factorial Implementations
70 4 - Compare Performance for Fibonacci Series Implementations
71 0 -EXIT
72 Enter an userOption (0 to exit): 4
73 Enter the target number: 12
74 It took the program 1 microseconds to execute with recursive.
75 It took the program 0 microseconds to execute with loops.
76
77
78 MENU OPTIONS
79
80 1 - Calculate and Display Factorial of a Number
81 2 - Calculate and Display Fibonacci Series of a Number
82 3 - Compare Performance for Factorial Implementations
83 4 - Compare Performance for Fibonacci Series Implementations
84 0 -EXIT
85 Enter an userOption (0 to exit): 4
86 Enter the target number: 45
87
88
89 It took the program 8646052 microseconds to execute with recursive.
90 It took the program 0 microseconds to execute with loops.
91
92
93 MENU OPTIONS
94
95 1 - Calculate and Display Factorial of a Number
96 2 - Calculate and Display Fibonacci Series of a Number
97 3 - Compare Performance for Factorial Implementations
98 4 - Compare Performance for Fibonacci Series Implementations
99 0 -EXIT
100 Enter an userOption (0 to exit):
```