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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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3 – Compare Performance for Factorial Implementations
4 – Compare Performance for Fibonacci Series Implementations
0 –EXIT
Enter an userOption (0 to exit): 3
Enter the target number: 12
It took the program 0 microseconds to execute with recursive.
It took the program 0 microseconds to execute with loops.


MENU OPTIONS

1 – Calculate and Display Factorial of a Number
2 – Calculate and Display Fibonacci Series of a Number
3 – Compare Performance for Factorial Implementations
4 – Compare Performance for Fibonacci Series Implementations
0 –EXIT
Enter an userOption (0 to exit): 4
Enter the target number: 12
It took the program 1 microseconds to execute with recursive.
It took the program 0 microseconds to execute with loops.


MENU OPTIONS

1 – Calculate and Display Factorial of a Number
2 – Calculate and Display Fibonacci Series of a Number
3 – Compare Performance for Factorial Implementations
4 – Compare Performance for Fibonacci Series Implementations
0 –EXIT
Enter an userOption (0 to exit): 4
Enter the target number: 45


It took the program 8646052 microseconds to execute with recursive.
It took the program 0 microseconds to execute with loops.


MENU OPTIONS

1 – Calculate and Display Factorial of a Number
2 – Calculate and Display Fibonacci Series of a Number
3 – Compare Performance for Factorial Implementations
4 – Compare Performance for Fibonacci Series Implementations
0 –EXIT
Enter an userOption (0 to exit):
```