Ana Morais 0596815 Screenshot testing

n= 10

Iteration: 200 ns

```
Welcome to the 2240 Fibonacci program.
Enter an integer to find the Fibonacci series for n values.
10
Would you like to calculate the Fibonacci series iteratively or recursively? [I/R]
i
The Fibonacci series with 10 terms is : 1 , 1 , 2 , 3 , 5 , 8 , 13 , 21 , 34 , 55 , Elapsed time in nanoseconds is: 200

Process finished with exit code 0
```

Recursion: 300 ns

```
Enter an integer to find the Fibonacci series for n values.
10
Would you like to calculate the Fibonacci series iteratively or recursively? [I/R]
r
The Fibonacci series with 10 terms is :
1 , 1 , 2 , 3 , 5 , 8 , 13 , 21 , 34 , 55 , Elapsed time in nanoseconds is: 300

Process finished with exit code 0
```

n= 20

Iteration: 300 ns

```
Welcome to the 2240 Fibonacci program.
Enter an integer to find the Fibonacci series for n values.
20
Would you like to calculate the Fibonacci series iteratively or recursively? [I/R]
I
The Fibonacci series with 20 terms is : 1 , 1 , 2 , 3 , 5 , 8 , 13 , 21 , 34 , 55 , 89 , 144 , 233 , 377 , 610 , 987 , 1597 , 2584 , 4181 , 6765 , Elapsed time in nanoseconds is: 300
```

Recursion: 500 ns

```
Enter an integer to find the Fibonacci series for n values.
20
Would you like to calculate the Fibonacci series iteratively or recursively? [I/R]
R
The Fibonacci series with 20 terms is :
1 , 1 , 2 , 3 , 5 , 8 , 13 , 21 , 34 , 55 , 89 , 144 , 233 , 377 , 610 , 987 , 1597 , 2584 , 4181 , 6765 , Elapsed time in nanoseconds is: 500
```

n =30

Iteration: 400ns

```
832040 , Elapsed time in nanoseconds is: 400
```

Recursion: 700ns

```
, 832040 , Elapsed time in nanoseconds is: 700
```

n=40

Iteration: 500ns

```
5 , 102334155 , Elapsed time in nanoseconds is: 500
```

Recursion: 600ns

```
, 102334155 , Elapsed time in nanoseconds is: 600
```

n=50

Iteration:700ns

```
 , Elapsed time in nanoseconds is: 700
```

Recursion:700s

```
 , Elapsed time in nanoseconds is: 700
```