ASSIGNMENT 5

Student Name: Laiba Asif

Student ID: R00201303

Module: Linear Data

Date: 20/12/22

Binary Search Test Output:

```
[10, 12, 13, 14, 25, 29, 31, 35, 40, 52, 56, 61, 61, 63, 68, 81, 85, 87, 97, 98]

Please enter a search key (-1 or quit): 85
85 was found in position 16

Please enter a search key (-1 or quit): 87
87 was found in position 17

Please enter a search key (-1 or quit): 98
98 was found in position 19

Please enter a search key (-1 or quit): 13
13 was found in position 2

Please enter a search key (-1 or quit):
```

Factorial calculator Output:

```
0! = 1
1! = 1
2! = 2
3! = 6
4! = 24
5! = 120
6! = 720
7! = 5040
8! = 40320
9! = 362880
10! = 3628800
0! = 1
1! = 1
2! = 2
3! = 6
4! = 24
5! = 120
6! = 720
7! = 5040
8! = 40320
9! = 362880
10! = 3628800
PS C:\Users\asif1\Downloads\Recursion>
```

Code link

https://replit.com/join/lblimdkemz-laibaasif4