OS Project Proposal

**Project Title:**

**Comparison between Process and Threads (with 5 Series Algorithms )**



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**Introduction:**

The motive of our project is comparison between process and threads .we will compare process and threads by using different Series algorithms.

**Methodology:**

We will compare this two by using these series algorithms.

**1-Fibonacci Series**:

It is the most common sequence which is formed by adding the last two numbers to get the next number and it starts with 0 and 1.

Series:

0,1,1,2,3,5,8,13….

**2-Triangular number Series:**

 A triangular numberseries counts the objects that can form an equilateral triangle.

Series:

 0, 1, 3, 6, 10, 15, 21, 28, 36, 45, 55, ….

**3-The Lazy Caterer’s Sequence**:

 It describes the maximum number of pieces (or bounded/unbounded regions) of a circle (a pancake or pizza is usually used to describe the situation) that can be made with a given number of straight cuts

Series:

1,2,4,7,11,16,22,29,37…

**4-Catalan Number Series:**

 In Catalan number Series form a sequence of natural numbers that occur in various counting problems, often involving recursively defined objects.

Series:

1, 1, 2, 5, 14, 42, 132, 429, 1430, 4862…

**5-Taylor Series:**

It is another common sequences which is formed by the formula:

e^x = 1 + x + x ^2/2! + x^3/3! + x^4/4! + . . .

By implementing the above algorithms we will differentiate process and threads.