**Explore where did regex and multithreading**

**Where is Regex used?**

A regular expression sometimes referred to as rational, is a sequence of character that specifies a match pattern in text. Usually such patterns are used by string-searching algorithms for find or find replace operations on strings, or for input validation

Regex commonly used in search engines, in search and replace dialogs of word processors and text editors, in text processing utilities such as sed and AWK and in lexical analysis. Regular expressions are supported in many programming languages.

**Where is multithreading used in real life ?**

The data is written to the database in parallel, and then the threads read the data back. Downloading the file and viewing it simultaneously. Video games , are based on multithreading where graphics run in the background.

Benefits of multithreading

Improved performance

Enhance responsiveness

Concurrency

Scalability

Simple code