

Description

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When I used Fork and Thread to increment/decrement the value of global Variable

As we know that fork create new process having duplicate memory space while thread shares the same memory space.

The difference in the output is due to

When a fork is used to create a child process it will duplicate all the data, stack data, rodata , heap etc. but in case of thread all child thread and parent thread share all memory spaces.

Therefore if any changes are made in the child process when fork then it will not reflect any changes to the parent process but in case of thread it is different because all threads share the same memory i.e. if any thread changes the value of some instances/variable then changes will reflect in all threads.