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Course Code: MCA-103

Course Name: Programming in C

Assignment 3
(Based on Unit-IV)

- Q 1. Design a solution to print the process id of the currently executing process. Elaborate the terms pid and ppid.
- Q 2. Describe the varied techniques available to create a new process in Linux?
- Q 3. Explain the term zombie process? With an example explain how a zombie process can be created?
- Q 4. Elaborate the term thread and its different characteristics through appropriate examples.
- Q 5. Simulate through suitable example how data can be passed to threads?
- Q 6. Instigate a situation where a child thread is created from a main thread of execution. Enable the main thread to wait until its child thread finishes execution. Collaborate the steps carried out alongwith proper code examples as required?