**Activity Four Questions**

1. **Define fork()**

* A process creating a subprocess for it’s execution.

1. **What are uses of stack in process address spaces**

* For storing a returning of addresses

1. **What is resource sharing in operating system**

* Sharing of resources needed for multiple processes in execution at the same time

1. **What are the parent and child process**

* The parent process creates a child process if needed and is killed once the execution is done

1. **Explain ls, ps, vi & cp in process tree.**
2. **Explain PCB**

* Each process consists of a PCB (Process Control Block), it consists of
* Process state
* Process counter
* Registers
* Scheduling information
* Memory management information
* Accounting information
* I/O Status information

1. **How does a process is created and terminated**

* A process is executed with the help of system calls which the kernel provides the necessary resources for its execution
* A process is terminated after a successful execution of a process and it releases all of its resources

1. **Explain clone command**

* Saves current state and makes a copy of current code, data, stack and OS