

# 1 Limited Direct Execution

## Vocabulary

### 1. Time Sharing

- Is a mechanism used by an OS to share a resource
- Allows an entity to use the resource for a little while, and then a little while by another, and so forth

### Example

CPU

### 2. Limited Direct Execution

- Is synonymous to **baby proofing**
- **Limited** Means there will be a limit to what a processor can and cannot do
- **Direct Execution** Means that the processor will run directly on the CPU

### 3. User Mode

- Is a processor mode where code that runs is restricted in what it can do

### 4. Kernel Mode

### 5. System Call

### 6. Trap

### 7. Return-from-Trip

### 8. Trap Table

### 9. Trap Handlers

### 10. System-call Number

### 11. Timer Interrupt