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Basic Commands / Filter Commands Overview

grep / cut / wc / head / tail / more / less / tr

### **Unix Processes**

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- Process Structure
- The ps Utility
- Options to the ps Utility
- Background Commands (&)
- Killing Background Processes
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### **Getting Started**

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- Running Scripts

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## **Regular Expressions**

## **Functions**

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## **Day 3:**

### Advanced Programming

- Shell Arithmetic
- The select Statement
- The eval Command

### Exception Handling

Assignments and Exercises

### File Handling

How to handle different types of delimiter  
Csv, yaml, xml File handling and parsing etc.

### Awk Programming

### Sed - String handling

## **Day 4:**

### SCP

### SFTP

### Compression Techniques

- Zip
- unzip

### Date Formatting

## **Debugging Techniques**

- Using echo
- Bash Programming
- Using Standard Error
- Script Tracing
- Options for Debugging

## **Miscellaneous topics added during con-call:**

Ensure that following topics covered:

- Vim editor
- Execute scripts if first one fails or succeeds.  
Script1 && script2  
Script1 || script2
- SQL statements

- tar.gz and .zip examples
- awk, grep and sed exercises with regex
- permissions of files and dirs
- FTP