

Shell Programming

A Necessity for all Programmers

Writing Basic Commands and Scripts

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You will learn to ...

- Use basic commands
- Combine commands
- Read and understand an unknown command
- Execute script

- List directory contents: **ls**
- Today's date and time: **date**
- Show logged in user: **who**
- Show User ID: **whoami**
- Display line of text: **echo**
- Reading/Writing from/to file: **cat**
- Help: **man**

- Can combine multiple commands
- Using ;
- **date; who**
- **echo "hello "; whoami**
- **echo -n "hello "; whoami**

- Create file.sh

```
cat > file.sh  
#!/bin/sh  
echo -n "hello "; whoami
```

- Make script executable

```
chmod +x file.sh
```

- Execute the script

```
./file.sh
```

- Reference manuals – Used for finding more information about any command
- **Syntax:** **man** <command>
- Examples
 - **man man**: shows how to use man pages
 - **man ls**: displays man page for the ls command
- Structure
 - name
 - synopsis
 - description
 - options
 - return value
 - exit status
 - author

Now, you can ...

- Use commands for displaying
 - directory contents
 - today's date
 - logged in user
 - display text
- Combine commands
- Execute scripts
- Get help for commands

Thank you

