



Using Python to Interact with the Operating System  
Google

Course Material

- Week 1
- Week 2
- Week 3
- Week 4
- Week 5
- Week 6
- Week 7

Grades

Notes

Discussion Forums

Messages

Resources

Course Info

Bash Scripting

1h 1m of videos left 30 min of readings left 1 graded assessment left

In this module, you'll be exposed to what the Linux OS has to offer and you'll learn about Bash scripting. We'll go over basic Linux commands and explore the many processes Linux has to offer, including a key concept called redirection. We'll then deep dive into creating bash scripts using variables and globs. Finally, we'll learn about advanced bash concepts and develop an understanding of when to use bash versus Python.

Learning Objectives

- Use basic Linux commands to work with files and directories
- Create bash scripts and execute them
- Execute scripts using variables and globs to influence the output of these scripts
- Utilize while and for loops in bash scripts
- Describe when it's necessary to use Bash scripts over Python scripts

Hide Learning Objectives

Interacting with the Command Line Shell

- Intro to Module 6: Bash Scripting  
Video • 2 min
- Basic Linux Commands  
Video • 6 min
- Redirecting Streams  
Video • 4 min
- Pipes and Pipelines  
Video • 6 min
- Signalling Processes  
Video • 5 min
- Basic Linux Commands Cheat-Sheet  
Reading • 10 min
- Redirections, Pipes and Signals  
Reading • 10 min
- Practice Quiz: Interacting with the Command Line  
Practice Quiz • 5 questions

Bash Scripting

- Creating Bash Scripts  
Video • 3 min
- Using Variables and Globs  
Video • 4 min
- Conditional Execution in Bash  
Video • 5 min
- Bash Scripting Resources  
Reading • 10 min
- Practice Quiz: Bash Scripting  
Practice Quiz • 5 questions

Advanced Bash Concepts

- While Loops in Bash Scripts  
Video • 5 min
- For Loops in Bash Scripts  
Video • 6 min
- Advanced Command Interaction  
Video • 3 min
- Choosing Between Bash and Python  
Video • 3 min
- Practice Quiz: Advanced Bash Concepts  
Practice Quiz • 5 questions

Module Review

1 graded assessment left

- Module 6 Wrap Up: Bash Scripting  
Video • 2 min
- Qwiklabs Assessment: Editing Files Using Substrings  
Due, Jun 4, 11:59 PM +08 Graded App Item • 1h 30m • Grade: --
- Discussion Prompt  
Discussion Prompt • 10 min