CIS 221: Linux/UNIX Programming and Scripting I

1: Review Basics & Introduction to Linux Scripting

Introduction- (25:17)
Command Review Continued- (23:55)
https://www.youtube.com/watch?v=-9bWkiW5nZs&index=31&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv

Processes, Find and the Shell- (14:02)
https://www.youtube.com/watch?v=2gDceK3YYj8&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=30

2: Regular Expressions and Additional Commands

Commands We Should Mostly Know- (18:49)
https://www.youtube.com/watch?v=vn2r2NXjQuU&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=29

Regular Expressions Can be Fun- Part 1 (28:11)
https://www.youtube.com/watch?v=Eo4Ck7GfVwo&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=28

Regular Expressions Can be Fun- Part 2 (14:31)
https://www.youtube.com/watch?v=ui4RR5TpL_U&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=27

3: Meta Characters, Special Parameters,Quotes & Passing Arguments

Variables- (23:56)
https://www.youtube.com/watch?v=5BisYCCi9ts&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=25

Math in Bash- (18:08)
https://www.youtube.com/watch?v=7ZxJVOR-m8s&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=24

Quotes- (22:40)
https://www.youtube.com/watch?v=iY2ESIT9S2M&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=23

Passing Arguments- (10:33)
https://www.youtube.com/watch?v=SyHuzdE49w8&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=22

4: Conditional Statements

Exit Code and Text Operator- (29:41)
https://www.youtube.com/watch?v=ZbphVZM-w8k&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=21

If Else Statement (23:31)
https://www.youtube.com/watch?v=A9BWKFY4Tyk&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=20

Case and Special Constructs- (15:02)
https://www.youtube.com/watch?v=HVLMgZGrmjI&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=19

5: Looping

for Loop- (31:29)
https://www.youtube.com/watch?v=UBv-0UI-cbk&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=18

while Loop- (8:37)
https://www.youtube.com/watch?v=Kyu3n4igGwA&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=17

Other Loop Stuff- (15:30)
https://www.youtube.com/watch?v=8QaI9ddESFc&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=16

6: Reading Data

Reading In Data- (24:00)
https://www.youtube.com/watch?v=mVQeVfkQB74&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=15

7: Controlling Your Environment and Fun with Parameters

Controlling Your Environment Part 1- (23:19)
https://www.youtube.com/watch?v=8HnF9Keukn8&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=13

Controlling Your Environment Part 2- (27:13)
https://www.youtube.com/watch?v=_cB4YJrnAqI&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=10

Controlling Your Environment Part 3- (10:07)
https://www.youtube.com/watch?v=s-z8yNsKggA&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=12

8: Controlling, Scheduling Functions

Controlling and Scheduling Part 1- (27:13)
https://www.youtube.com/watch?v=_cB4YJrnAqI&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=10

Controlling and Scheduling Part 2- (11:59)
https://www.youtube.com/watch?v=33-MKImdqdc&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=11

9: Awk

Awk Part 1- (21:12)
https://www.youtube.com/watch?v=dEfsfsWPHYM&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=8

Awk Part 2- (18:37)
https://www.youtube.com/watch?v=c__0deNwDoA&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=9

Awk Part 3- (13:08)
https://www.youtube.com/watch?v=iccd2wyJJdE&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv&index=7

Awk Part 4- (20:08)
https://www.youtube.com/watch?v=cMb5uQNGALc&index=6&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv

10: Perl

Perl Part 1- (17:05)
https://www.youtube.com/watch?v=BpDNVlw6xAY&index=5&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv

Perl Part 2- (16:07)
https://www.youtube.com/watch?v=c_T610PMKQ8&index=3&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv

Perl Part 3- (16:07)
https://www.youtube.com/watch?v=NQLpN_cb6ew&index=1&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv

Perl Part 4- (9:28)
https://www.youtube.com/watch?v=9JKqJpk5x3g&index=2&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv

Perl Part 5- (9:28)
https://www.youtube.com/watch?v=9JKqJpk5x3g&index=2&list=PLYCnr23oAKDntUyw2g9Kr-R1kgEEEm8qv

Perl Part 6- (16:59)
https://www.youtube.com/watch?v=fFgH8mMf-s0&feature=youtu.be