






Certificate in Unix (188) – Introduction to SCO Unix

Prerequisites: Knowledge in Windows operating system.	Corequisites: A pass or higher in Certificate in Networking or equivalence.
<p>Aim: This course is designed to teach SCO Unix operating system with emphasis on using the command line utility commands, working with files and directories, using the shell and creating and reading simple shell scripts. Candidates will learn important SCO Unix operating system concepts to prepare the candidates for follow-up administration, networking, and security courses. In this course, candidates accomplish basic tasks such as creating, organizing, and removing files; using text editors; printing; and monitoring their processes. All tasks are completed through a command line interface. On completion of the course, candidates will be able to: Access a UNIX System in a safe and secure manner; Use the features of the UNIX Korn shell to enter system commands; Access the online manual pages to look up command syntax and option lists; Access files and directories; Organize home directories by creating and removing sub-directories, and copying and moving files; Maintain the security of files and directories by setting permissions; Create and modify text files; Use the print spooler to print text files; Use shell metacharacters to control command input and output, and combine commands using pipes and tees; Monitor processes and kill processes that do not terminate properly; Modify and configure login environments to accommodate their needs and preferences.</p>	
Required Materials: Recommended Learning Resources.	Supplementary Materials: Lecture notes and tutor extra reading recommendations.
<p>Special Requirements: The course requires a combination of lectures, demonstrations, discussions, and hands-on labs.</p>	
<p>Major Learning Outcomes:</p> <ol style="list-style-type: none"> Describe the SCO operating system, dependable operating system platforms, features and functionality. Describe the system boot at serial terminals or virtual terminals and demonstrate the logging in process and how to log out. Describe SCO files and directories system structured and outline the directory structure and how files are organised into a hierarchy of folders. Outline how user rights are specific access and ability permissions that can be assigned to customisable groups. Describe the vi editor powerful features and how they aid programmers. Demonstrate how Unix uses shells to accept commands given by the user and the different shells available. 	<p>Assessment Criteria:</p> <ol style="list-style-type: none"> Outline Unix kernel Describe Unix shell Explore SCO file system Outline shell user interface Identify SCO utilities Outline login process Explore structure of SCO commands Be able to execute SCO commands Identify man command syntax Explore different file types Describe SCO file system structure Be able to create, delete and list files and directories Be able to work with SCO files Explore file permissions Be able to change permissions Be able to create and edit files Identify how to manipulate text Be able to execute command-line editing Describe functions of the shell Explore wildcards and metacharacters Outline redirection, pipe and filter commands Be able to use shell variables

<p>7. Demonstrate how on UNIX systems, each system and end-user task is contained within a process and how the system creates new processes all the time.</p> <p>8. Describe how UNIX utilities are used to program, maintain, update, and regenerate groups of programs.</p> <p>9. Describe the overview of the X Window System's architecture and how it provide users with a powerful graphical user interface.</p>	6.5	Describe login profile
	6.6	Be able to customise user environment
	7.1	Define a process
	7.2	Outline process environment
	7.3	Describe shell scripting
	7.4	Be able to monitor processes
	7.5	Identify process signals
	8.1	Be able to use find, grep, head/tail and sort commands
	8.2	Be able to use PC DOS environment files
	8.3	Be able to use advanced utilities commands
	9.1	Discuss advantages of X Windows environment
	9.2	Describe X Windows client/server model
	9.3	Be able to start X Windows and initiate X clients
	9.4	Be able to display remote clients
	9.5	Identify X Windows startup files
	9.6	Describe Common Desktop Environment (CDE) components
	9.7	Be able to customise the desktop environment
<p>Methods of Evaluation: A 2-hour written examination paper with Section A and Section B. Section A has 40 multiple choice questions. Section B has three essay questions, each carrying 20 marks. Candidates are required to answer all questions. Candidates also undertake project/coursework in Introduction to SCO Unix with a weighting of 100%.</p>		

Recommended Learning Resources: Introduction to SCO Unix

Text Books	<ul style="list-style-type: none"> • Unix on Command: SCO Unix System V386, SCO Unix 286 and 386 by Riders ISBN-10: 1562050273 • Using SCO Unix by Geoffrey Leblond ISBN-10: 0078816416 • Sco Unix Operating System Tutorial by Santa Cruz Operations ISBN-10: 0130121703 • A. B. C.'s of SCO Unix by Tom Cuthbertson ISBN-10: 0895887150
Study Manuals 	BCE produced study packs
CD ROM 	Power-point slides
Software 	SCO Unix

Tel: 0044 7423211037

Email: info@londoncomputercollege.co.uk Website: www.londoncomputercollege.co.uk

Registered No: 3267009 (England)