

Linux knowledge check – Sistem robotic dan cerdas

Introduction

Knowledge Check for Introduction

Passing score is 100%

1. Oh, no! You mistakenly started the wrong script on a Linux Shell and now want to stop it. How can you do that?

☐ Just wait for the script to finish. It's a lost cause!

☐ Type the "STOP" keyword

☐ Press Shift + S

☒ Press Ctrl + C

2. At present, which of the following fully supports RDS natively?

☐ None of these

☒ Linux

☐ All of these

☐ Windows

☐ MacOS

3. Which of the following NOT is true about Linux?

☐ it is an operating system

☐ it is free

☐ it is open source

☒ it is only meant for advanced system admins

4. What is the minimum requirement for this course?

☐ Basic knowledge of Linux

☐ Basic knowledge of RDS

☒ Basically none - just the ability to operate a PC

☐ A degree in Computing Science

5. Who is developing the Linux operating system, generally speaking?

☒ A worldwide community of developers

☐ The UNESCO

☐ Linus Torvalds and his team

☐ The Linux Federation

Your score for this knowledge check: 100%

CLOSE

Linux Essentials

Knowledge Check for Linux Essentials

Passing score is 100%

1. What does the command `pwd` do?

☒ prints the current working directory

☐ goes to the home directory of the current user

☐ shows the password prompt

☐ it's a universal password for any Linux account

2. What does the symbol `~` represent with respect to Linux directories?

☒ the user's home directory

☐ the topmost directory in a Linux filesystem

☐ the last directory visited by the user

☐ None of these

3. What are folders, or directories, used for in Linux?

☐ for organizing files

☒ All of these

☐ for reserving disk space for special use

☐ for storing special kind of files only

4. You have been asked to create a file in a specific directory, but it's not the current directory. Which command would you use?

☒ `cd`

☐ `change dir`

☐ `go dir`

☐ `ch_dir`

5. The following modes are available in the `vi` tool EXCEPT

☐ insert

☐ command

Your score for this knowledge check: 80%

CLOSE

Advanced Utilities 1

Knowledge Check for Advanced Utilities I

Passing score is 100%

1. The following are common environment variables on Linux, except...

☐ HOME

☐ TMP

☒ DRIVE

☐ PSI

2. Which of the following is not a user-based permission group?

☐ all users

☐ user

☐ group

☒ system

3. You are the user. Your system admin, who is a member of your Linux group, wanted to teach you a lesson and ran the following command on your file. Your file! Do you understand what he did? Which of the following did he NOT do?

chmod 741 your_file.py

☐ Granted you full access (read, write, execute)

☒ Granted your group write access

☐ Granted your group read access

☐ Granted everyone execute access

4. Which symbol do you put before a variable, in the form `symbolVARIABLE`, in Linux, in order to access its value?

☒ \$

☐ ?

☐ !

☐ @

5. You want to assign the value "YES" to the variable `RESPONSE`. Which of this is correct?

☒ `RESPONSE="YES"`

☐ `$RESPONSE="YES"`

☐ `RESPONSE == "YES"`

☐ `#RESPONSE="YES"`

✔ Your score for this knowledge check: 100%

CLOSE

Advanced Utilities 2

Knowledge Check for Advanced Utilities II

Passing score is 100%

1. You want to install a package `nano`. What command should you run?

☐ `sudo apt-get add nano`

☐ `sudo apt-get nano install`

☐ `sudo apt-get add-pkg nano`

☒ `sudo apt-get install nano`

2. In order to connect to a remote computer via `ssh`, the following are necessary, EXCEPT

☒ You must be running an SSH server yourself

☐ The remote computer must have an SSH server running

☐ You must have valid credentials on the remote computer

☐ You must know the SSH port used by the SSH server

3. Which statement describes what is happening in the command below?

ssh user@54.8.34.1 -p 2222

☐ user wants to connect to a remote computer `54.8.34.1` with password `2222`

☐ We cannot be sure what the user is trying to do here

☒ user wants to connect to a remote computer `54.8.34.1` running an SSH server on port `2222`

☐ user wants to connect to a local computer `54.8.34.1` with a timeout of `2222` seconds

4. You want to know if a specific program is running. Which command comes handy here?

☒ `ps`

☐ `proc`

☐ `faux`

☐ `grep`

5. Whenever you execute a program or script on a Linux terminal, what is started?

☐ A pool

☐ A pipe

✔ Your score for this knowledge check: 100%

CLOSE