

# CipherQuest: Decrypting the Unknown

## Summary

Embark on an epic adventure, CipherQuest! Immerse yourself in a world of enigmatic codes and thrilling mysteries. Unleash your inner detective as you unravel secrets, solve puzzles, and decode your way to triumph.

Get ready to unlock the hidden treasures that await within the realm of CipherQuest!



# Introduction: Enter the Virtual World

Welcome to 1337!

You will embark on an exciting adventure where you must solve a series of high-tech problems and challenges to uncover the secrets of the virtual realm and ultimately escape to freedom.

# Objectives: The Mission at Hand

The objectives of CipherQuest are clear: you must utilize your technological skills, critical thinking, and teamwork to solve a variety of digital puzzles and unlock the virtual barriers that stand in your way.

Your mission is to uncover the hidden codes, overcome obstacles, and navigate through the digital landscape to achieve ultimate victory.

# Foreword

The team is gathered around a table covered in Enigma machine parts, their eyes fixed on the intricate gears and wires. Alan Turing, the enigmatic leader, stands at the head of the table, his gaze determined and focused.

- Alan Turing: "Gentlemen, the Enigma machine is the key to breaking their code. We need to understand its inner workings. Look closely, and let's crack this puzzle!"
- Joan Clarke: "Alan, this is incredibly complex. How can we possibly decrypt their messages? The Enigma seems impenetrable."

Alan Turing turns to Joan, a spark of determination gleaming in his eyes, as he confidently addresses her concerns.

Alan Turing: "Joan, complexity is just an illusion. Every machine has its weaknesses. We will find them, exploit them, and reveal their secrets. Nothing is impossible!"

1337

## **Chapter 0**

# **Tutorial**

# Lesson 1 - Shell

## Shell?

In simple words, a shell is like an interface or a way to interact with a computer. It's a program that allows you to give instructions or commands to the computer using text.

And that's the first thing you gonna learn how to use.

## Instructions to follow

By following these instructions, you'll be able to navigate through folders using the the shell.

1. Open "iTerm" app

2. Now write this command `cd fgse`

3. Click "Enter"

4. Enter this command `ls`

5. Click "Enter" again

## Congrats 🎉

This was your first time communicating with your computer without the need of a user interface (buttons and icons)

What you just did is switching to another folder (directory) and you listed all the files and folders!

# Lesson 2 - Commands

## Shell commands?

Shell commands are a way to give instructions to your computer using text-based commands instead of clicking on icons or buttons. It's like giving your computer a set of specific tasks to perform by typing them out.

In the previous lesson you discovered two commands:

- **cd**: change directory (folder)
- **ls**: list files and folders

## The “man” command

The "man" command is short for "manual" and is used to display the manual pages for various commands, programs, and utilities installed on the system. These manual pages provide detailed information about how to use and understand the specific command or utility.

Usage:

```
man command
```

Example:

```
man cd
```

## Basic shell commands

These commands are the ones that you'll need the most!

ls, cd, pwd, mkdir, rm, cp, mv, cat, echo

# Lesson 3 - Program?

## Program?

A program is like a set of instructions that tells a computer what to do. It's a bunch of code that tells the computer how to perform different tasks, like playing a game, editing a photo, or browsing the internet. It's kind of like a recipe for the computer, guiding it step by step to accomplish specific tasks.

## How it's created?

Creating a program is like writing a set of instructions for a computer to follow. It starts with a human who has an idea for a task they want the computer to perform. They write these instructions in a special language called a programming language, which the computer understands.

The instructions are then translated into a format that the computer can execute. This process is called compiling or interpreting. Once the program is ready, the computer can run it, following each instruction step by step until the desired task is completed.

So, to put it simply, creating a program is like giving the computer a recipe to cook a specific dish. You write down the steps, the computer understands them, and then it performs the task based on those instructions.

## Chapter 1

# Register



# Let's hack!

Now that you're familiar with shell and commands, it's time to take your skills to the next level by registering for the challenge!

Get ready to form a team with two other members and dive into the world of hacking! 🙌

## Attention!

In order to effectively collaborate and tackle challenges, please appoint one person as the designated leader, while the remaining two individuals should sit adjacent to the leader during the same session.

# Register

To begin the registration process, launch the iTerm application and navigate to the "fgses" directory. Once there, execute the command that displays a list of files and directories. You will notice a file named "**register**," which is the program you need to run in your shell in order to register.

To do this, simply type "**./register**" in your shell and press enter. Follow all the subsequent instructions provided by the program to complete the registration successfully.

1337

## **Chapter 2**

# **The Challenge**

1337

## Mission

You must open the iTerm app and change directory to “fgses”, and then list files and directories!

There's a program called: **fgses**

That's actually a program and all you need to finish this challenge is to run it in your shell! 🎉

# Ouuuch 🙄

Ooooooops!!! 😬😬

The program is asking for a secret code, right? But hey, don't sweat it! We've got the code...somewhere hidden in a file on your computer. We just don't know exactly where it's hiding! 🤔🔒

Luckily, we've got a little tool called **leetfind** that can help you track it down. It's like a treasure map for your password quest! Just fire up a new shell and head over to fgsgs directory. Run the **leetfind** program, and it'll guide you on your path to discover the file containing the elusive password. 🗺️🔍👉

Oh, and here's a pro tip: Once you unveil the folder where the file is chilling, you can navigate there using the "**cd**" command. To peek inside the file and reveal its secrets, simply type "**cat**" followed by the file name. Magic, right? ✨👁️✨

Once you crack the code, you can triumphantly return to your original shell and hand over the precious password to the **fgsgs** program. Victory shall be yours, and confetti shall rain down upon you! 🎉🎉🎉🎉🎉

## Watch out!

The password isn't just a mishmash of random letters and numbers;  
it actually has a purpose!

1337

## Resources

<https://google.com>

By Thor, by Odin we wish you the best of luck! 🙌