

TILLY TELLS YOU ABOUT MULTIFACTOR AUTHENTICATION



Grannie Geek
Keeping You Safe in Cyberspace

**BY:
GRANNIEGEEK**

INTRODUCTION

Hi there! My name is Tilly and I'm twelve years old. Most people don't expect someone like me to be interested in cybersecurity, let alone understand it, but here I am - ready to share my knowledge with you.

It all started when my best friend lost her phone. That incident made me realize how vulnerable we are online and how easily our information can be stolen.

So, for my school project this year, I chose to research about multifactor authentication - a security method that requires more than just a password to access an account or device. It may sound complicated but trust me, it's not rocket science. You can do it too.

DEDICATION

This book is dedicated to my grand niece Tilly who lives in Australia,

As you grow up in this digital era where everything is connected and accessible through the internet, it is important for you to understand the importance of keeping your personal information safe.

Multifactor authentication is a security measure that adds an extra layer of protection to your online accounts, making it difficult for hackers to gain access. It requires the use of two or more authentication factors, such as a password and a one-time code sent to your phone, before granting access.

As you navigate through the digital world, I hope this book will serve as a guide for you to protect yourself against potential cyber threats. Always remember to be cautious and never share your personal information with anyone online.

With love,

Aunt Robin (AKA) Grannie Geek

Introduction	2
Dedication	3
The Mystery of the Missing Phone	5
The Mystery of the Online Hacker	8
What is Multifactor authentication?	11
Advice From Tilly	14

THE MYSTERY OF THE MISSING PHONE

Tilly was a curious 12-year-old girl who loved solving puzzles and mysteries. She lived in a small town called Adelaide , where everyone knew each other. But one day, something strange happened that shook the whole town.

It all started when Tilly's best friend Lily lost her phone. Lily had left it on her desk at school during lunch break, but when she came back to get it, it was gone. The teacher searched the classroom and even asked around, but no one had seen or taken the phone.

Lily was upset because not only did she lose an expensive gift from her parents, but her phone also contained personal information and photos that she didn't want anyone else to see. Tilly could see how worried Lily was and decided to take matters into her own hands.

She remembered reading about multifactor authentication in a magazine at the library. It is a security measure that requires more than just a password to access devices or accounts. Tilly realized that if Lily's phone had this feature enabled, then whoever took it wouldn't be able to use it without knowing the second factor of authentication.

Tilly shared her idea with Lily and they both went to talk to their teacher about enabling multifactor authentication on all school devices including phones used by students for educational purposes.

The next day, while waiting for class to start, Tilly overheard two boys talking about finding someone's lost phone near the school gate yesterday afternoon. She quickly alerted Lily and together they went looking for these boys during recess.

They found them playing basketball behind the gymnasium with two phones lying beside them - one of which belonged to Lily! When confronted by Tilly and Lily with evidence of their wrongdoing, they admitted taking advantage of unlocked phones without any security measures.

Thanks to Tilly's quick thinking and knowledge about multifactor authentication, they were caught red-handed

before causing any harm or stealing sensitive information from students' phones.

The word spread around the town, and soon everyone started talking about how multifactor authentication can prevent such incidents from happening. Tilly was praised by her teachers and parents for being an intelligent and responsible young girl who not only solved a mystery but also helped educate others on the importance of online security for children.

From that day on, Adelaide became known as a town where kids are taught to use multifactor authentication to protect their devices and personal information. And it was all thanks to Tilly - the 12-year-old detective who saved Lily's phone and brought awareness to the community.

THE MYSTERY OF THE ONLINE HACKER

The small town of Adelaide was known for its quaint charm and friendly community. However, something strange had been happening lately. People's online accounts were being hacked left and right, causing chaos and confusion in the town.

No one knew who was behind these cyber attacks or how they were able to access people's personal information. The townspeople were on edge, constantly changing their passwords and worrying about their online safety.

One day, 12-year-old Tilly was walking home from school when she overheard two adults discussing the recent hacks. Her curiosity piqued, she decided to do some investigating of her own.

Tilly spent hours researching online security measures and stumbled upon a term she had never heard before: multifactor authentication. It seemed like a complicated concept but after reading more about it, Tilly realized that it could be the key to solving the mystery of the cyber attacks in Adelaide .

She immediately went to her parents' computer shop where they sold various tech gadgets including multifactor authentication devices. She convinced them to let her borrow one so she could test it out on her own accounts.

Sure enough, within just a few days of using multifactor authentication, Tilly noticed multiple failed attempts at trying to hack into her accounts. She quickly alerted the authorities and showed them evidence from her device.

Impressed by Tilly's quick thinking and determination, they asked for her help in catching the hacker responsible for all the chaos in Adelaide.

Together with local law enforcement, Tilly used her knowledge of technology and understanding of multifactor authentication to track down the culprit - an ex-employee of a major software company who held a grudge against his former employer.

Thanks to Tilly's bravery and intelligence, he was arrested before causing any further harm. The town celebrated Tilly as a hero who not only solved an important mystery but also taught everyone an important lesson about online security: always use multifactor authentication.

From that day on, everyone in Adelaide made sure to use multifactor authentication for all their online accounts. And

Tilly was hailed as a genius for her role in bringing safety and peace back to the town.

WHAT IS MULTIFACTOR AUTHENTICATION?

Multifactor authentication is a security measure that requires more than just a password to access an account," Tilly's dad explained. "It adds an extra layer of protection by asking for something else like a code sent to your phone or fingerprint recognition."

Tilly's eyes lit up with excitement as she thought about how cool it would be to set this up on her own devices.

"I want to do it too!" She exclaimed.

Her parents were hesitant at first, thinking it may be too complicated for Tilly's young mind. But after some convincing and reassurance from Tilly that she could handle it, they agreed to let her try.

Tilly eagerly got started on setting up multifactor authentication for all their family accounts. She read through tutorials and watched videos until she completely understood the process. With patience and determination, she successfully set-up multifactor authentication on every account without any help from her parents.

Feeling proud of herself, Tilly showed off her work to her parents who were amazed at how quickly she grasped the concept and executed it flawlessly.

As time went by, Tilly continued learning more about cybersecurity measures such as encryption and firewalls. Her passion for technology only grew stronger with each new knowledge gained.

One day while browsing online forums discussing cybersecurity measures, Tilly came across someone seeking advice on setting up multifactor authentication for their business website. Without hesitation, Tilly chimed in with helpful tips based on her own experience which earned praises from the original poster and other members of the forum.

Tilly's parents were overwhelmed with joy and pride as they watched their 12-year-old daughter confidently sharing her knowledge with others. They knew that she was destined for great things in the world of technology.

From that day on, Tilly became known as the go-to girl for cybersecurity among her peers. She even started giving workshops at her school to teach other students about online safety and security measures.

And it all started with a curious 12-year-old girl who wanted to set up multifactor authentication for her family accounts. Little did she know, this small act would lead to bigger opportunities and an exciting future ahead of her in the world of technology.

ADVICE FROM TILLY

As I sit down to write my advice, I can't help but think about how much technology has changed our lives. From smartphones to smart homes, it seems like there's an app for everything. And as a 12-year-old who grew up in the digital age, I've seen firsthand how easy it is for someone to hack into your online accounts.

That's why I want to talk about something that not many kids my age know about - multifactor authentication. It may sound complicated, but trust me, it's actually pretty simple and could save you from a lot of trouble.

Let me paint you a picture: Imagine you're playing your favorite game on your tablet or chatting with your friends on social media when suddenly, you get locked out of your account. You try logging back in but no matter what password you enter, it just won't work. That feeling of frustration and confusion is enough to ruin anyone's day.

But here's where multifactor authentication comes in. It basically adds an extra layer of security by requiring two different methods of verification before allowing access to an account. This means that even if someone manages to guess or steal your password (which happens more often

than we'd like), they still won't be able to log into your account without the second method of verification.

One way this can be done is through text message codes sent directly to your phone after entering the correct password. Another way is through biometric factors such as facial recognition or fingerprint scanning. Some apps even offer options like security questions or physical keys for added protection.

Now some people might argue that all these steps are too much hassle and take too long just for one login attempt. But let me tell you something - taking a few extra seconds now could save hours/days/weeks/months trying to regain control over a hacked account later on.

And here's another thing - most adults don't even use multifactor authentication because they think it's too complicated or unnecessary. But as kids, we have our whole lives ahead of us and we need to start taking our online security seriously. We spend so much time on our devices these days that it's important to make sure they're safe from potential threats.

So next time you log into your favorite game or social media account, take a moment to enable multifactor authentication if you haven't already. It may seem like a

small step, but trust me, it can make all the difference in keeping your accounts safe.

As for me, I've already set up multifactor authentication on all my accounts and I feel more secure knowing that my personal information is protected. And now that I've shared this with you all, I hope you do the same!

Stay safe in cyberspace

But don't worry!

**There are ways to
stay safe online too!**



GrannieGeek.com



ISBN: 978-1-7372783-6-8