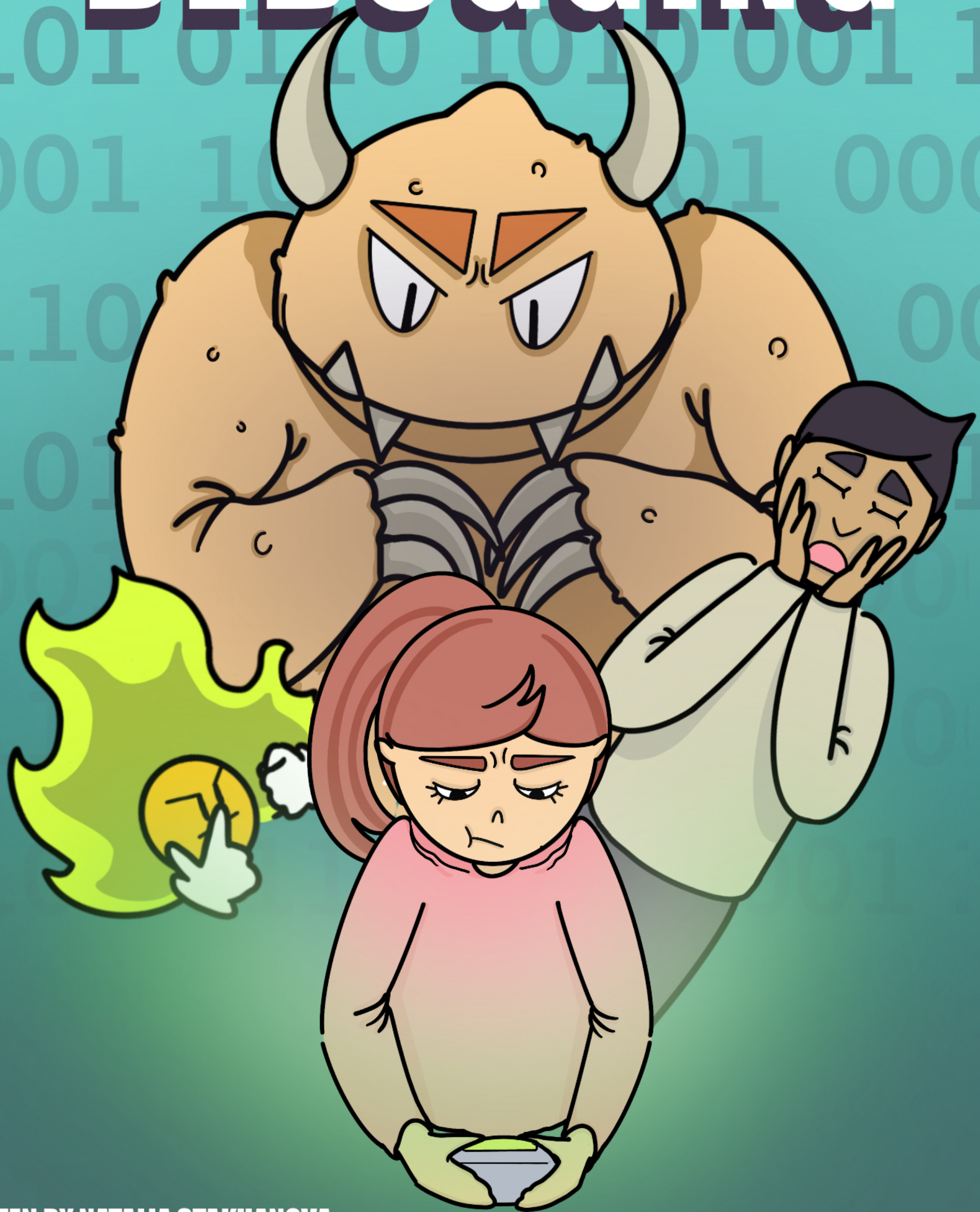


ADVENTURES OF RECODE DEBUGGING



WRITTEN BY NATALIA STAKHANOVA
ILLUSTRATED BY MEGAN DOHERTY

IDENTIFICATION

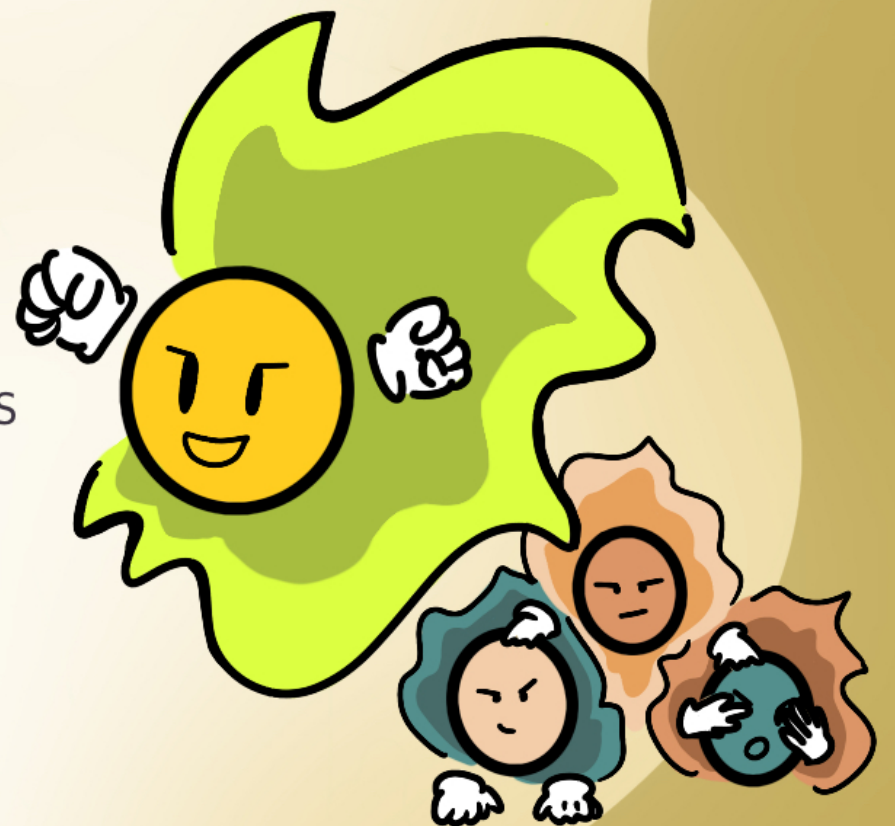


RECØDE

ANASTASIA IS OUR MAIN HERO. SHE GOES BY THE NICKNAME "RECØDE" WHEN SHE'S SAVING THE CYBER WORLD. HER SPECIALITY IS REVERSE ENGINEERING! ANASTASIA IS QUICK WITTED AND LOVES A CHALLENGE.

DIGIK

DIGIK LIVES IN ANASTASIA'S COMPUTER, AND IS HER BEST FRIEND. DIGIK CAN BE OBNOXIOUS AT TIMES. ALL COMPUTERS HAVE COMPUTER GUARDIANS LIKE DIGIK, THEY TAKE CARE OF COMPUTERS AND KEEP THEM RUNNING. MOST GUARDIANS STAY HIDDEN...BUT NOT DIGIK! DIGIK IS CURIOUS AND LOUD... THE BEST SIDEKICK!



CYEVIL

CYEVIL IS A CYBER VILLAIN THAT LOVES TO RUIN PEOPLES LIVES BY INFILTRATING THEIR TECH!

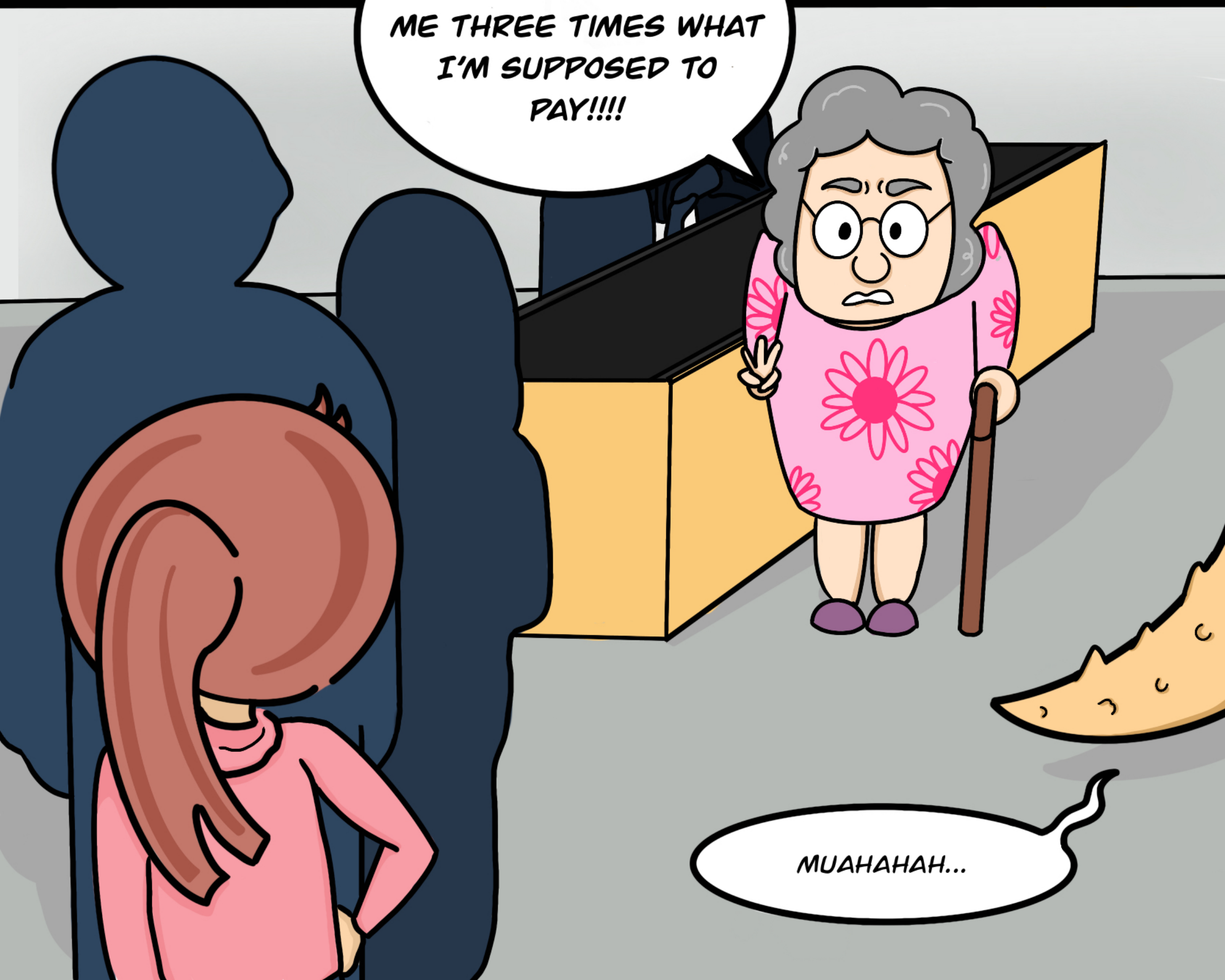
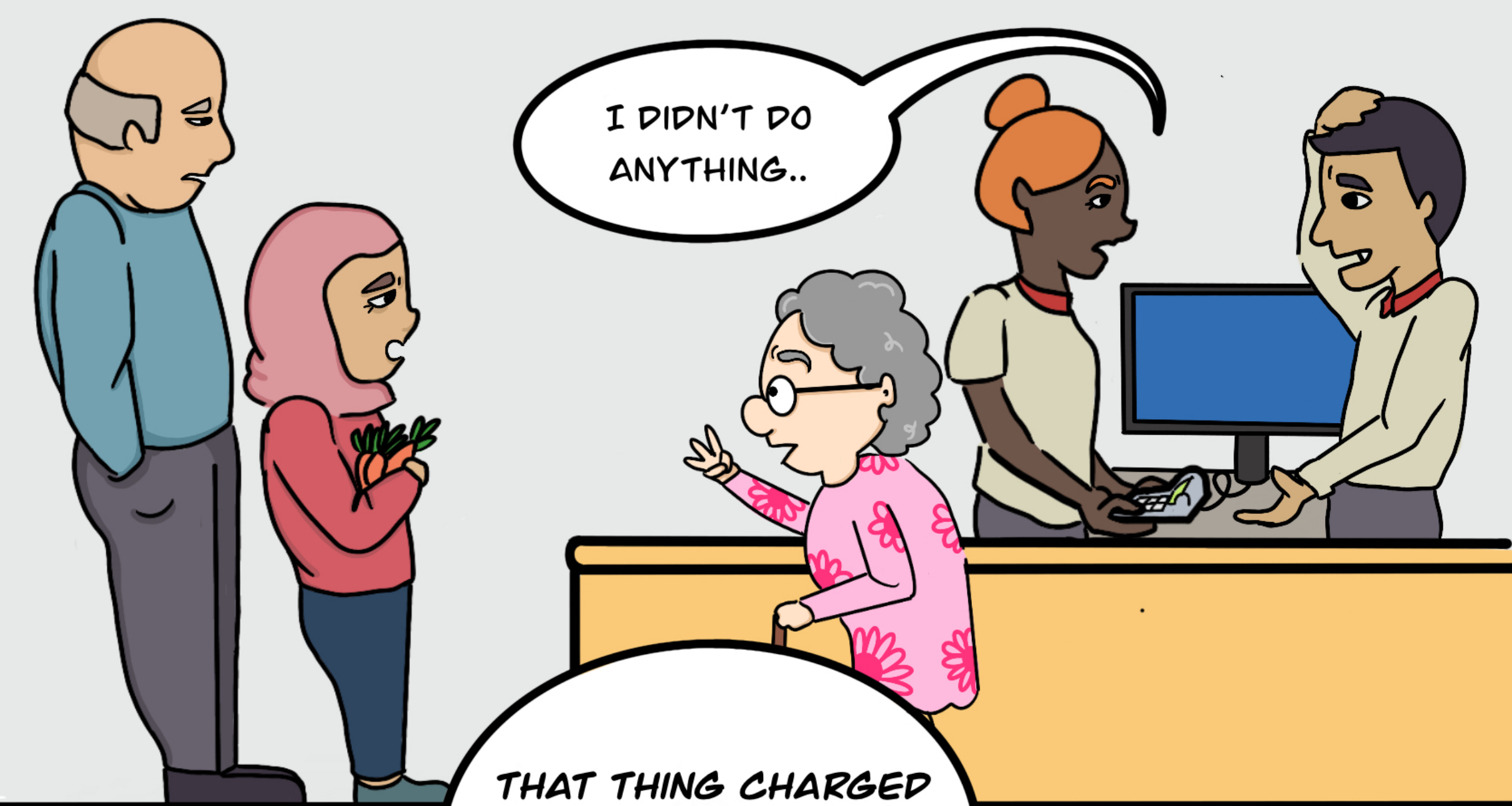
CYEVIL IS A COWARD WHO WORKS BEHIND THE SCENES, SO BEWARE OF WHATS LURKING IN YOUR COMPUTERS!

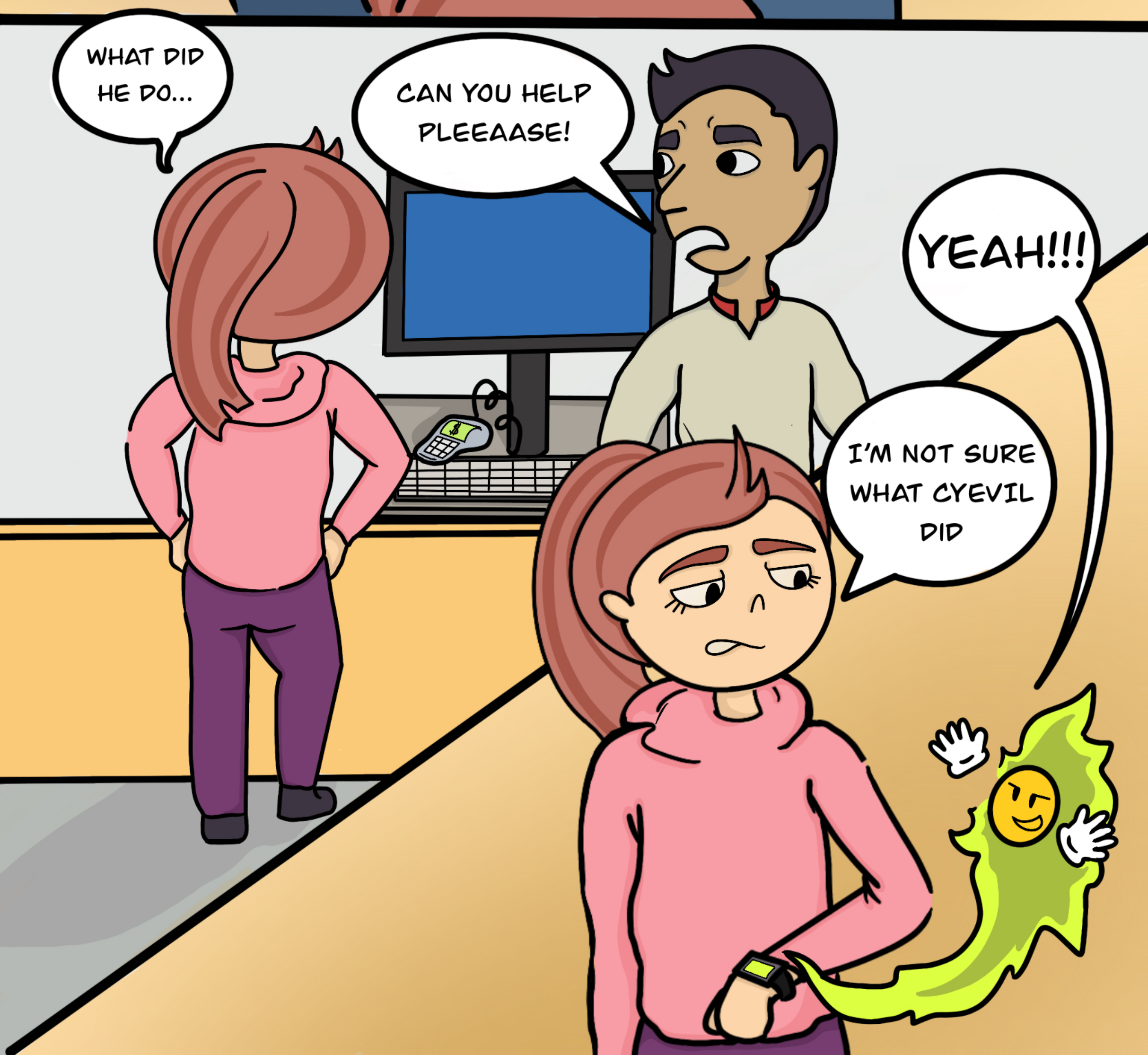
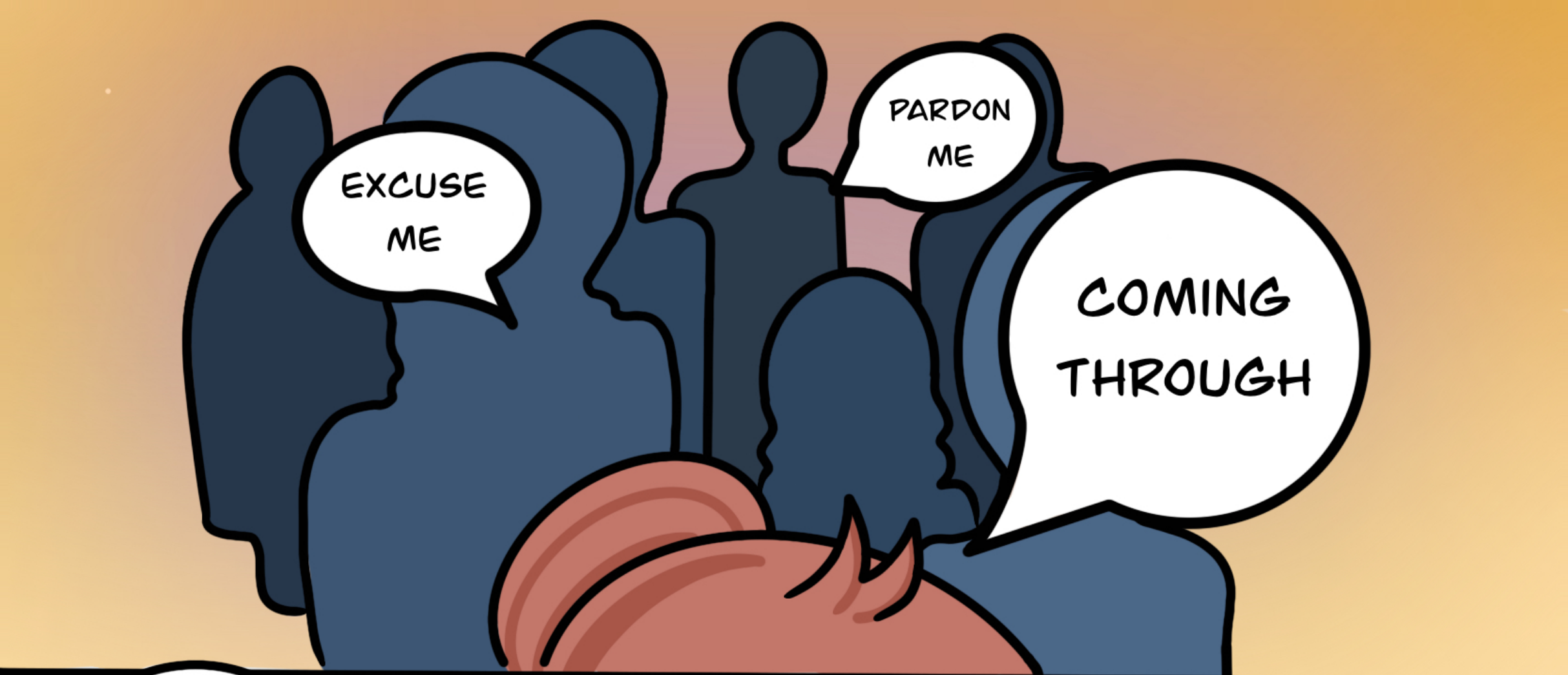


WHY IS THIS
TAKING SO
LONG?

WHAT'S GOING
ON?





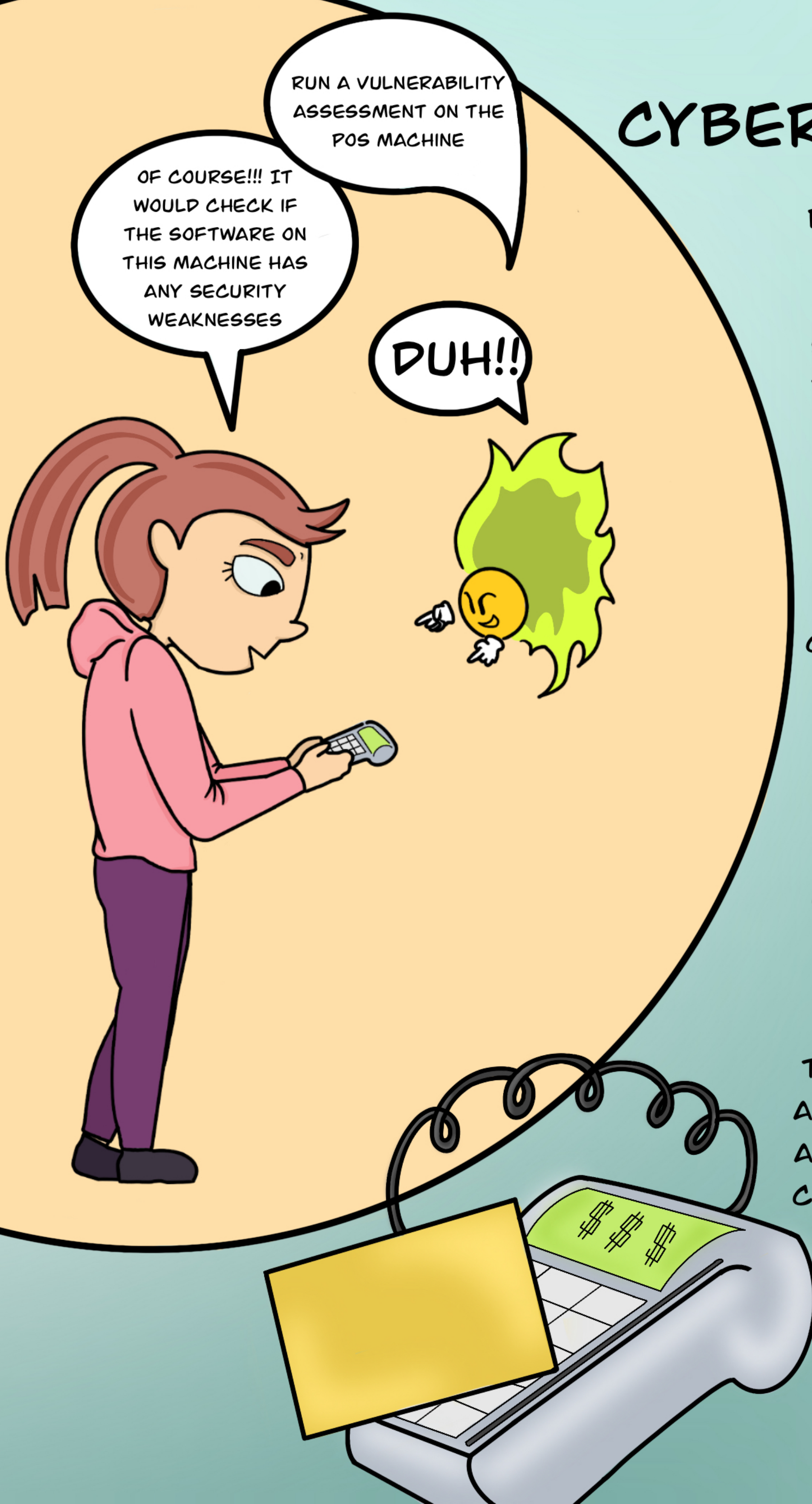


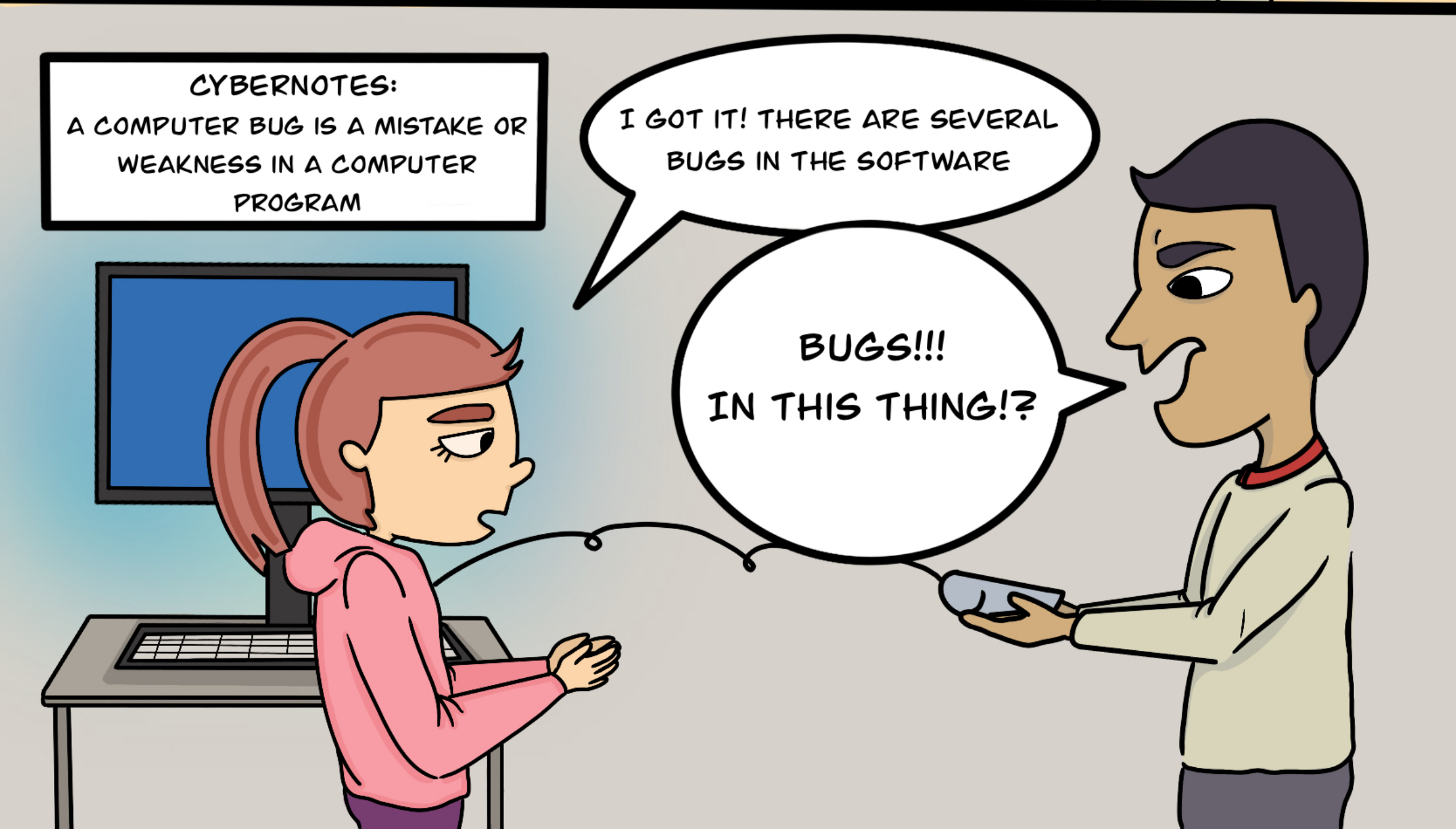
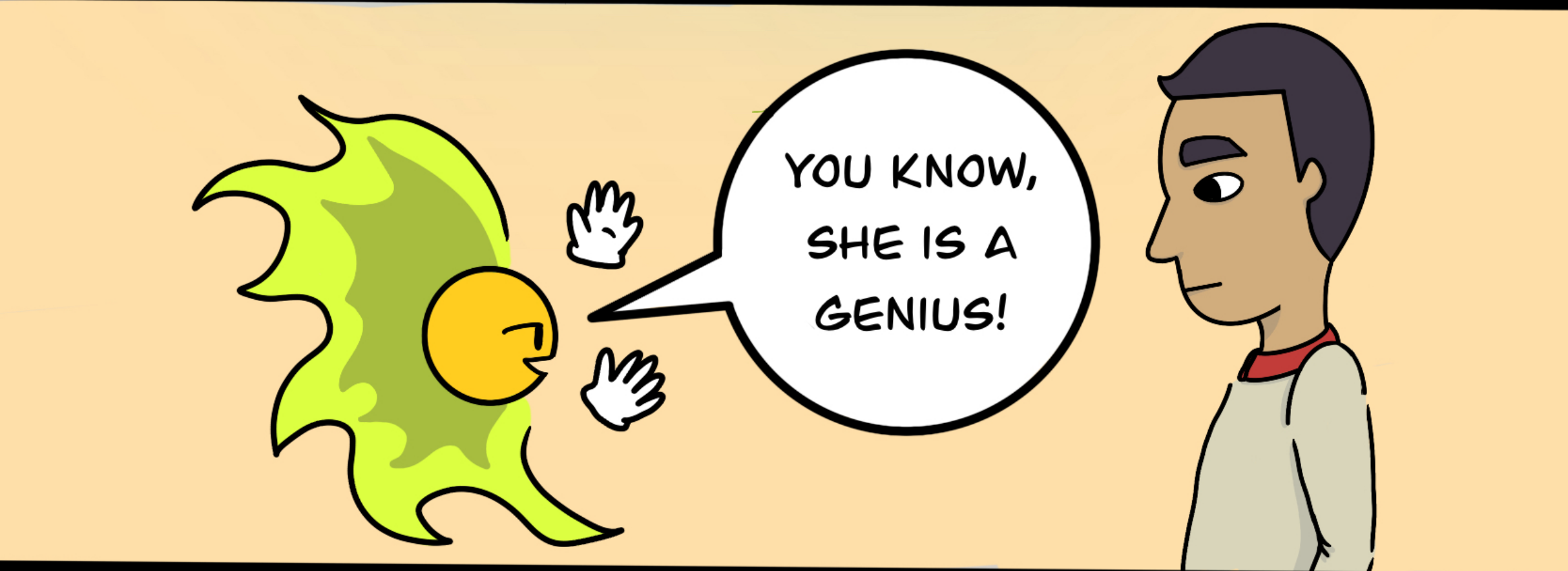
CYBERNOTES:

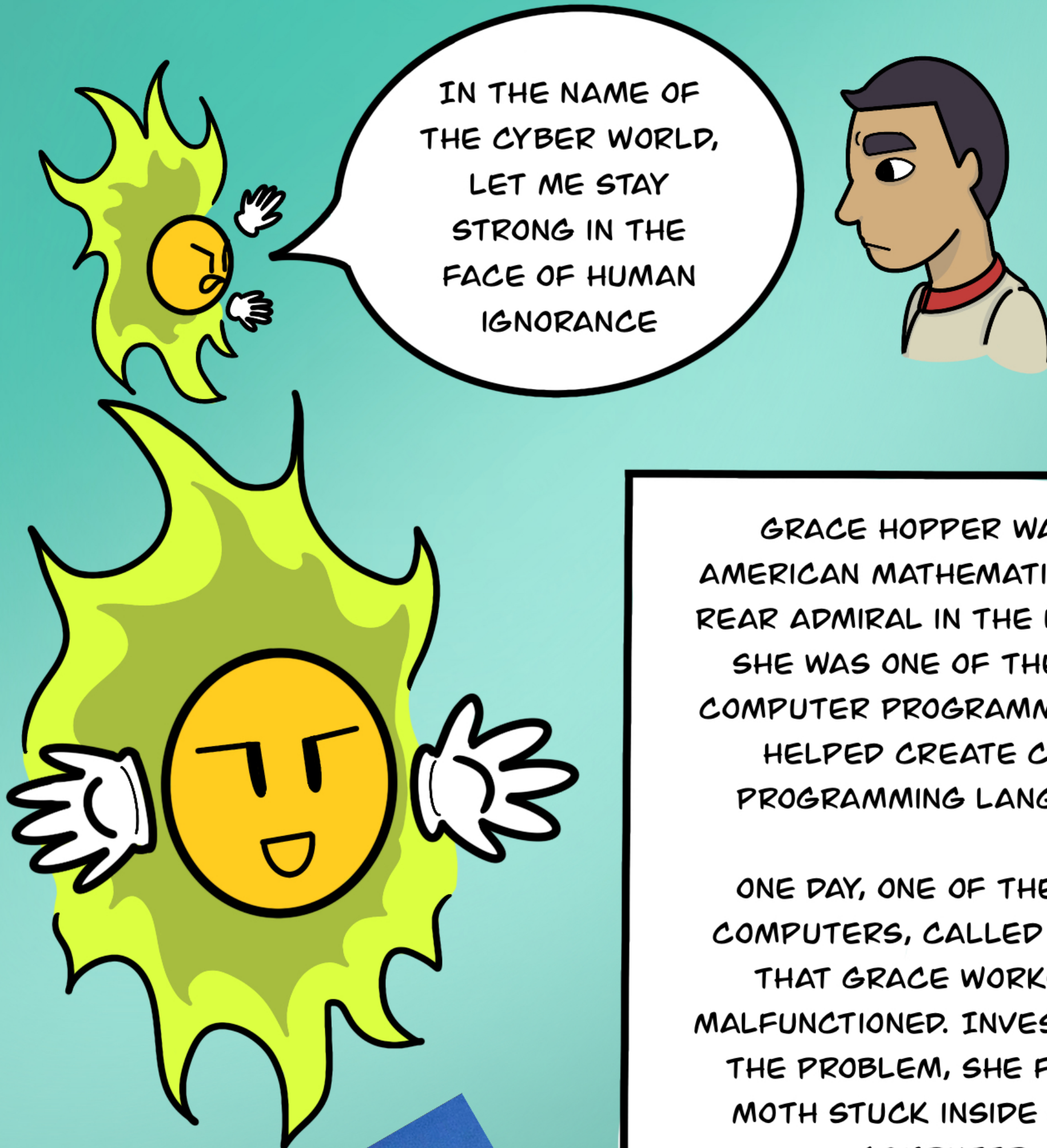
POS MACHINE OR POINT-OF-SALE MACHINE HELPS STORES TO TAKE PAYMENTS FROM CUSTOMERS.

MODERN POS MACHINES ARE SMALL COMPUTERS AND HAVE MANY COMPUTER FUNCTIONS.

POS MACHINES CONTAIN THINGS LIKE CASH REGISTER AND PAYMENT TERMINAL WHERE ANYONE CAN MAKE A PAYMENT WITH A CREDIT CARD OR A PHONE.





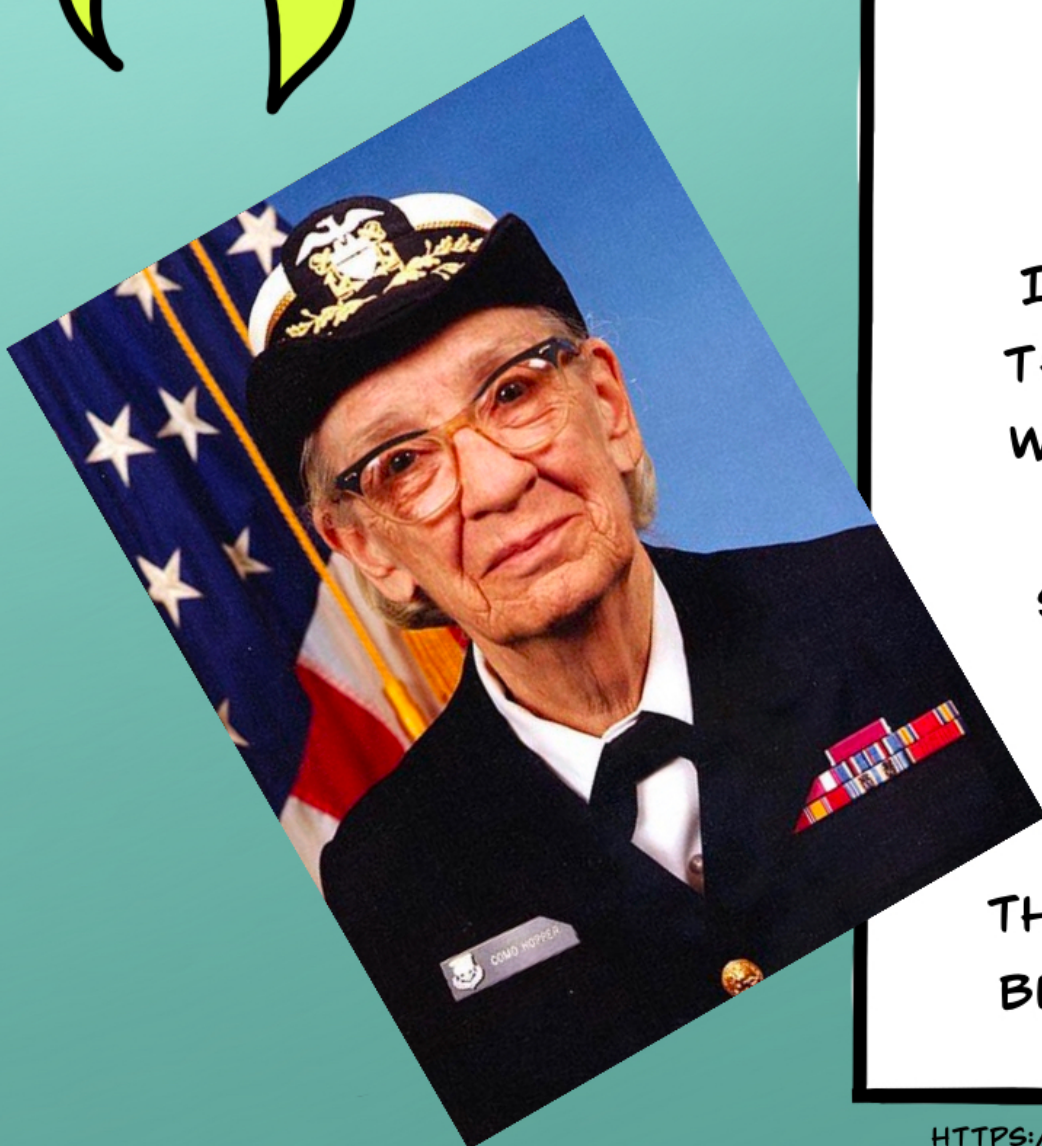


GRACE HOPPER WAS AN AMERICAN MATHEMATICIAN AND REAR ADMIRAL IN THE U.S. NAVY. SHE WAS ONE OF THE FIRST COMPUTER PROGRAMMERS AND HELPED CREATE COBOL PROGRAMMING LANGUAGE.

ONE DAY, ONE OF THE FIRST COMPUTERS, CALLED MARK II, THAT GRACE WORKED ON MALFUNCTIONED. INVESTIGATING THE PROBLEM, SHE FOUND A MOTH STUCK INSIDE OF THE COMPUTER.

IN HER NOTES SHE RECORDED THAT THE COMPUTER PROBLEM WAS CAUSED BY A BUG. AFTER THIS INCIDENT, EVERYONE STARTED CALLING ERRORS IN COMPUTERS PROGRAMS "COMPUTER BUGS".

THE PROCESS OF FINDING THESE BUGS IS KNOWN AS DEBUGGING.



TAP TAP
TAP

TAP TAP
TAP

TAP TAP
TAP

```
>> apply update -t -v 5464 -f latest_software  
>>
```

LET'S UPDATE
THE SOFTWARE
OF THE POS
MACHINE.

I HOPE THIS WILL
FIX THE BUGS

DENIED!?!?
WE'RE FIXING
YOU!
MAKING YOU
BETTER!
LET US IN!



```
>> access denied
```

I NEED TO
AUTHENTICATE...

CYBERNOTES:

COMPUTER PROGRAMS ARE PROTECTED FROM OUTSIDE EYES. ONLY PEOPLE WHO ARE ALLOWED MAY LOOK INSIDE THE PROGRAMS, MAKE CHANGES OR UPDATES. HOW DOES A COMPUTER KNOW TO MAKE CHANGES? THERE ARE MANY WAYS TO DO THIS. YOU PROBABLY HAVE SEEN PEOPLE TYPING THEIR USERNAMES AND PASSWORDS (SECRET WORDS) THAT ONLY THEM AND A COMPUTER KNOW. THIS PROCESS IS KNOWN AS AUTHENTICATION.

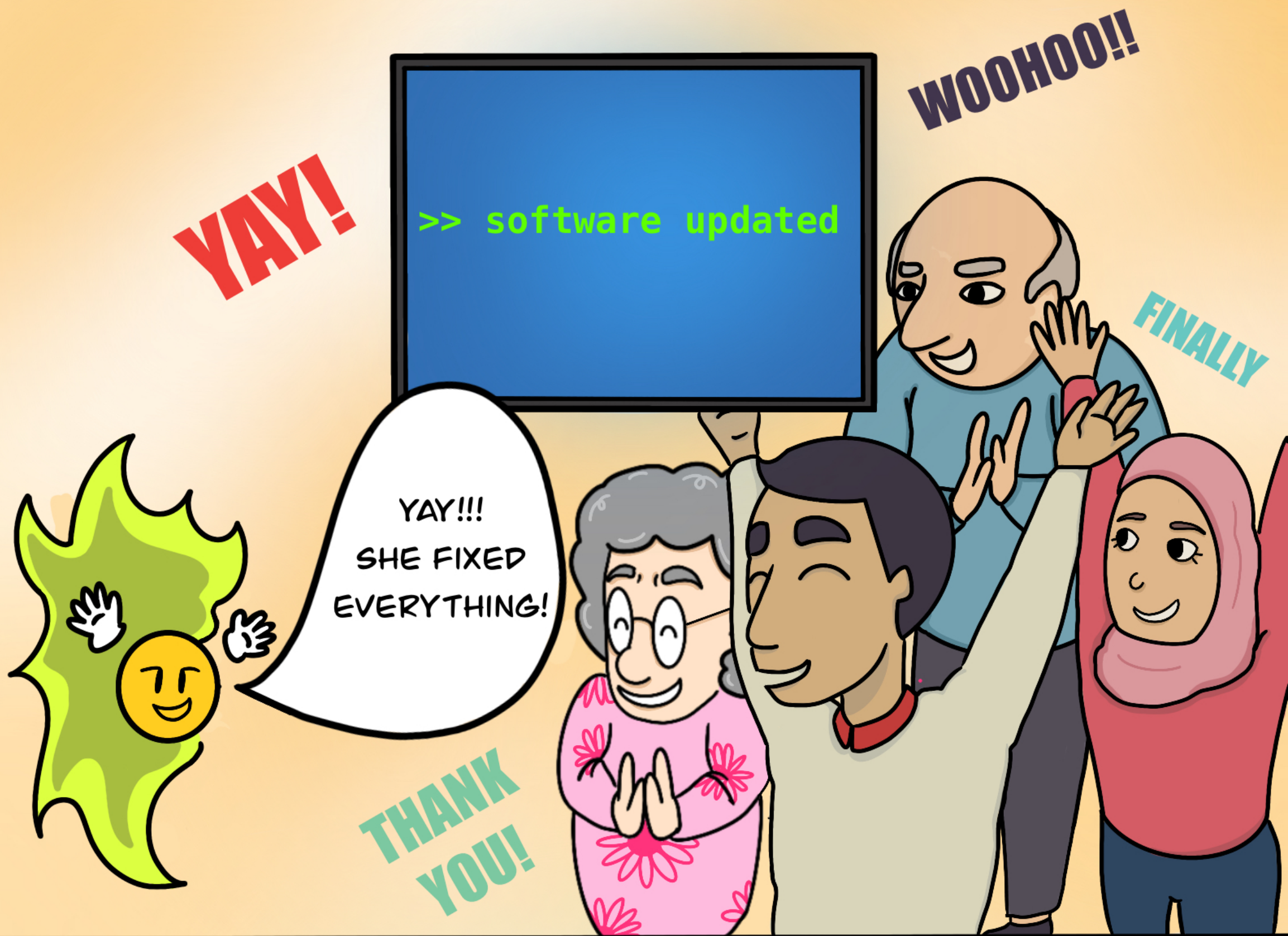

```
>> username admin  
>> password *****  
>> access granted
```

TAP TAP
TAP

TAP TAP
TAP TAP

TAP TAP
TAP

apply update
fix bugs





I'LL BE BACK..



<https://cyberlaunchacademy.ca>