



7 FEBRUARY 2023

# HOW CAN WE MAKE THE INTERNET A SAFER PLACE?



## Useful tips to keep in mind before you go online:

- Think before you post! I know – it's tempting. ...
- Keep it private. ...
- Stranger danger. ...
- Stop Bullying. ...
- Report suspicious actions.

## CONNECTING TO THE INTERNET

Online access also comes with risks, like inappropriate content, cyberbullying, and online predators.

Using social media apps and websites where kids interact, predators may pose as a child or teen looking to make a new friend.



# CYBER SECURITY

SECURITY AND PRIVACY ON THE INTERNET

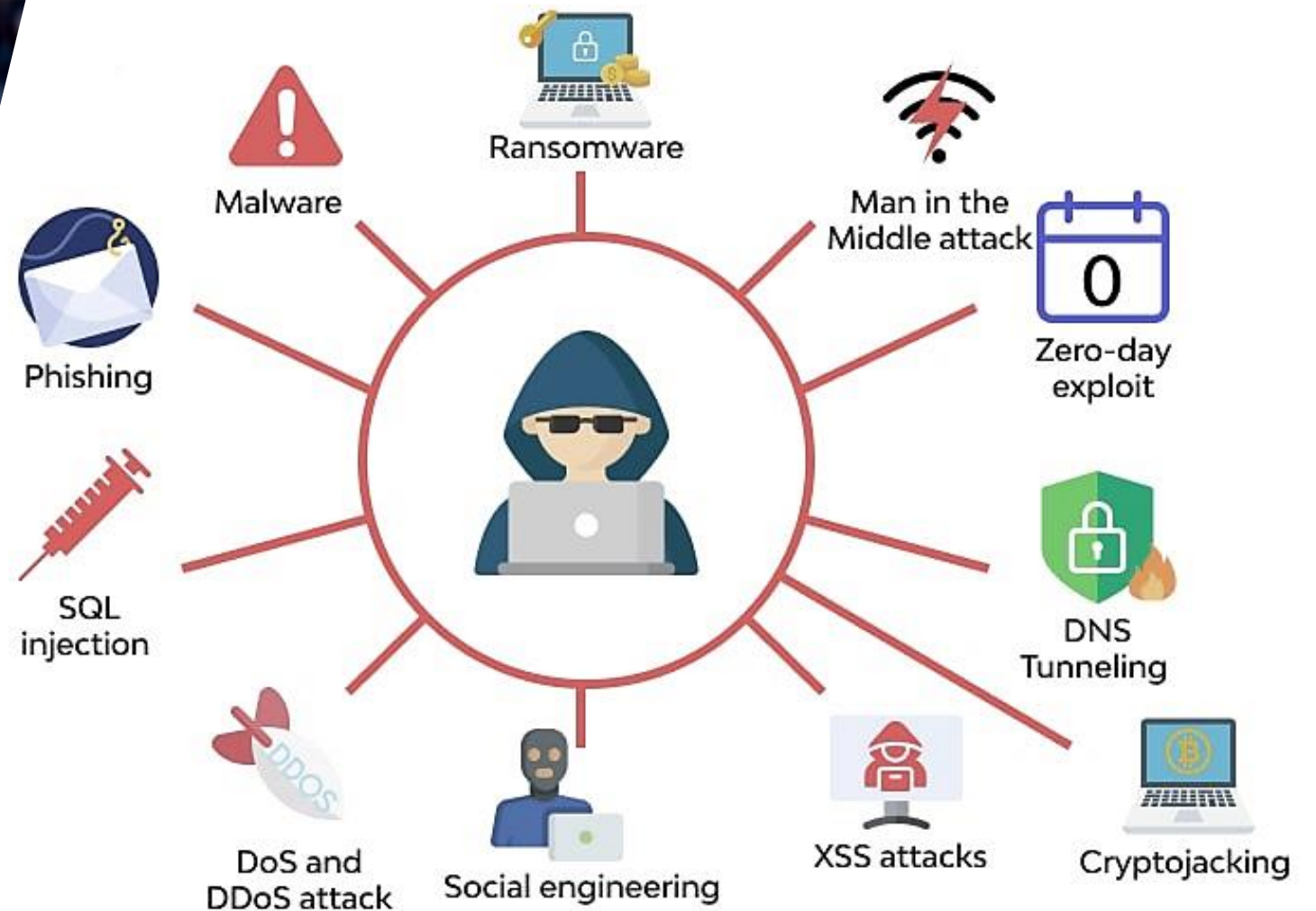
The image features a dark background on the left side with white text of CSS code, including properties like 'display: block', 'position', 'top: -2px', 'left: -6px', 'display: inline', 'list-style-type: none', 'line-height', 'display: block', 'z-index: 1000', and 'padding-right: 9px'. On the right side, there is a rectangular box with a gradient from orange to dark blue, containing the title 'WHAT IS CYBER SECURITY?' in white, uppercase, sans-serif font.

# WHAT IS CYBER SECURITY?

- VARIOUS DIGITAL COMPONENTS
- NETWORKS
- DATA
- COMPUTER SYSTEMS



# TYPES OF CYBERATTACKS



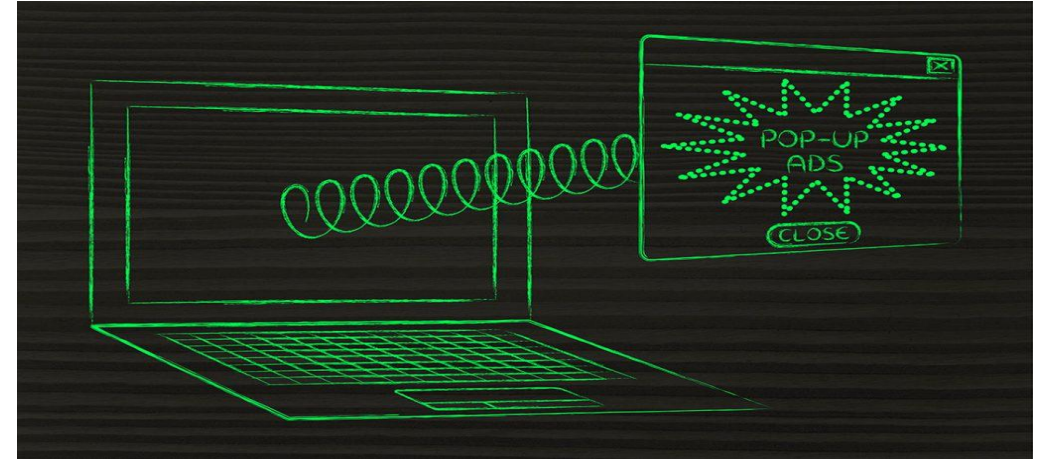


# MALWARE ATTACKS

Trojan



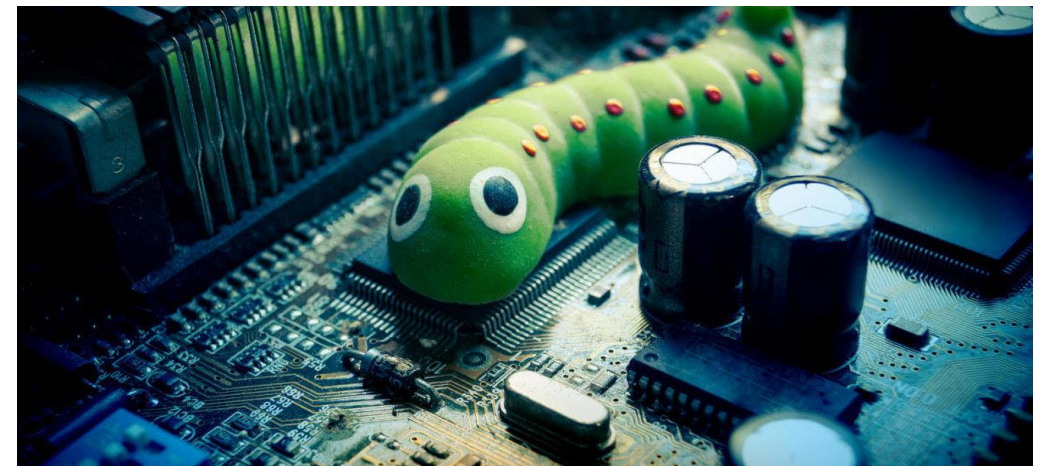
Adware



Spyware



Worms





# PHISHING

FAKE EMAILS WHICH APPEAR TO BE  
COMING FROM A LEGITIMATE  
SOURCE.





illustration by john joh

# SOCIAL ENGINEERING

EMOTIONS, THAT HAVE GREAT  
IMPACT ON THE TARGET:

- GREED: „DO THIS ONE THING AND I  
WILL GIVE YOU ... „
- EMPATHY: IMPERSONATING SOMEONE  
YOU KNOW AND APPEAL FOR HELP
  - CURIOSITY
- VANITY: „YOU ARE REALLY TALENTED!  
WORK FOR ME ...”



# THE MAN IN THE MIDDLE

THE HACKER GAINS ACCESS TO THE  
INFORMATION PATH BETWEEN OUR  
DEVICE AND THE WEBSITE'S SERVER



# HOW TO PREVENT?

- INSTALL A FIREWALL
- IMPLEMENT HONEYPOTS
- USE UNIQUE ALPHANUMERIC PASSWORDS
  - USE AN ANTIVIRUS SOFTWARE
- AVOID MAILS FROM UNKNOWN SENDERS





# THANK YOU

Sources: <https://www.youtube.com/watch?v=inWWhr5tnEA>

<https://www.wallarm.com/what/what-is-a-cyber-attack>

<https://www.crowdstrike.com/cybersecurity-101/malware/trojans/>