

In what sense are files not actually deleted even if you empty the recycle bin on Windows or empty the trash on macOS? 1 point

The files are not deleted from the hard drive when we graphically delete them from the system, the system forgot the existence and the location of the file. Special software can wipe the file from the hard drive changing all binaries to 0s or 1s.

What privacy features does Incognito Mode (in Google Chrome) offer versus a regular browser window? 1 point

In Incognito mode, none of your browsing history, cookies, and site data are saved on your device. Your activity doesn't show up in your chrome browser when you use incognito mode in chrome.

How, using cookies, does a web server actually remember that you're logged in? 1 point

The web server puts little value on a user's browser to remember if a user was already visited a website before. Cookies allow you to not log in every time when you visit a website again. The browser sends the value to a webserver to remind of the previous login.

If a mobile phone is protected with a 4-symbol passcode, whereby each symbol is a decimal number (0 through 9), how many seconds might it take to guess that passcode if each guess takes 1 second to check? 1 point

10000

If a mobile phone is protected with a 6-symbol passcode, whereby each symbol is a decimal number (0 through 9), an uppercase letter (A through Z), or a lowercase letter (a through z), how many seconds might it take to guess that passcode if each guess takes 1 second to check? 1 point

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Suppose you've forgotten your password to some website. Even though you can likely reset your password via a link on the website, odds are no one at the company can actually tell you your forgotten password. Why not? 1 point

Because the password is encrypted on their database. Sending a password over email opens that email to interception.



Why is it not a problem for me to reveal my public key?

1 point

In public-key cryptography, there are two keys, one public and one private. A public key is used to encrypt data and the private key is used to decrypt the data that are previously encrypted by the public key.



In addition to your password, what might the second factor of a two-factor authentication (2FA) scheme be, and why is that second factor a good one?

the first factor is a password and the second one is something different that you have like an RSA device or an SMS code sent on your mobile. The two-factor authentication adds an extra layer of protection to your account.



Suppose that you're visiting a country in which some website is blocked. How, technically, might using a VPN allow you to visit that website nonetheless?

VPN first establishes an encrypted connection to a server and lets this server communicate for you.

Glc<sup>r</sup> gur jbeq "frphevgl" orybj sbe n serr cbvag.

1 point

security

A copy of your responses will be emailed to the address you provided.

**Submit**

Never submit passwords through Google Forms.



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