

✗ How does the below HTML tag help to protect your privacy online?

0/1

`<meta name="referrer" content="origin">`

this tag helps protect your privacy online by limiting the amount of information that websites can receive about your browsing history. :)

✓ What information is transmitted in the *User-Agent* HTTP header?

1/1

it provides information about the client software, operating system, version ,and device used to make the request

✓ We discussed in lecture the concept of private browsing, also known as "incognito mode." What is an advantage of private browsing?

1/1

we also known it as incognito mode. its not saving cookies , browsing history , sits data or form submission info. this can improve privacy on shared computers.

✓ Why might a website use *session cookies*?

1/1

it improves our experience by saving and stored our data like forms , user logins and keep items in shopping cart to allowing them or using them in future

✓ [Tor](#) is software that you can install on your computer that, according to [its website](#), "prevents someone watching your connection from knowing what websites you visit." How, in no more than a paragraph, does Tor do that?

1/1

Tor achieves its anonymity by routing your internet traffic through a network of volunteer-operated relay servers. data is encrypted several times during this onion routing, which routes it via a number of nodes. nodes do not knows the original source of our data and they just decrypt enough to know where to send it next.



✓ In what sense are domain names similar to phone numbers like 1-800-COLLECT or 1-800-FLOWERS? 1/1

similar to phone numbers like 1-800-COLLECT or 1-800-FLOWERS, domain names
Representing numerical addresses with words or phrases that are easy to remember. Just
like how phone numbers are spelled out with memorable words on a keyboard to make them
easier to remember and dial, domain names serve as useful and memorable aliases for
complex and difficult IP addresses and web access. . By doing this, they make it easy to
access the site

Browser Rankings

According to [StatCounter](#), below are the three browsers with top market share as of
September 2023.

Earlier in 2023, NordVPN, a VPN service, put out [a ranking of browsers](#) by the extent to
which they take privacy-related measures seriously.

Below stats and rankings are accurate as of September 2023.

✓ Google Chrome - User Profiles 1/1

NordVPN critiques Chrome (63% market share, ★★ privacy rating) on the basis that
one of Google's primary sources of revenue is "user profiling for ad targeting".

How is Chrome able to put together a user profile for that purpose?

Through a collection of user activities and preference data, it can create a user profile for ad
targeting. this covers search history , website visits , cookies and browsing history. cause
chrome is the a part of google ecosystem, it can use this data, Combined with information
from other Google services to create a comprehensive user profile for customized
advertising

✓ Safari - Fingerprinting

1/1

Safari (20% market share, ★★☆☆ privacy rating) receives some praise in the article for its use of "anti-fingerprinting tools".

What is fingerprinting?

This is one of the tracking methods used to identify and track online users. It collects certain data about the user's device, including screen resolution, installed fonts, even operating system and browser. This data creates a fingerprint that is used for identification. Anti-fingerprint features in Safari help with this by limiting the amount of identifiable data.

✓ Edge - Sandboxes

1/1

Microsoft's Edge (5% market share, ★ privacy rating) comes in at the bottom of the NordVPN list, unfortunately, but receives credit for running in a "sandbox". Why is this a good thing for end-users?

End users benefit because it improves security. As a security measure, applications run in a sandbox environment isolated from other applications and the operating system. This enclosure helps protect against massive security breaches and data theft if a browser tab or plugin is compromised.

Log Format

```
log_format combined '$remote_addr - $remote_user [$time_local] '
                    '$request' $status $body_bytes_sent '
                    '$http_referer' '$http_user_agent';
```

- ✓ In lecture, we discussed the above example of a standard log format that might be used by a web server to keep track of user activity, where each of the above items prefixed by a \$ is effectively a "variable" that will be replaced with user data. 1/1

Without using the word "refer", what does the *\$http_referer* variable represent, in layman's terms?

It shows the URL that the user used to reach the current page. It is used to better understand user behavior and traffic, to track how users find a specific website or page.

Feedback

How did you find the difficulty of this assignment? *

	1	2	3	4	5	
Too easy	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Too hard

About how many MINUTES would you say you spent on this assignment? *

Just to set expectations for future students.

20

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