

*An Roinn Dlí*

***Department of Computer Science***

**Advanced Security – lab 1**

**Name: Tim Browning**

**Student I.D. No.: C14519547**

**Programme (Course): DT211C**

**Module (Subject): Advanced Security**

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**Author’s Declaration:**

I hereby acknowledge that this essay is my own original work. All quotes, references and assistance received are acknowledged.

**Signed: Tim Browning**

**Date:** 21/09/17

Q1) The Browser I will be commenting on will be google chrome. I’ve done some research and a good extension to protect your identifiable information is called privacy cleaner. Privacy Cleaner is a free, powerful way to scan, track and control how applications access your personal information online.

The reason you are being tracked is for your own convenience. Let’s say if you liked keeping up with the latest technology. So this involves going on websites such as CNET or WIRED. Google Chrome picks that up and gives you suggestions based on your internet profile/history. If you do not like this and you are finding google chrome intrusive on your personal internet usage, you can turn this off. In Google Chrome settings there is a check box which you can uncheck to stop them tracking your browsing traffic.

Q2) To my Knowledge there are three types of web spaces. The surface web, the deep web and the dark web. The deep web covers 90% of the information on the internet. It is not accessible by your regular internet surfer. Medical records, legal documents and financial records are a few items that make up the deep web.

To use the deep web, you will normally need certified access/authorisation. Information stored in the deep web is confidential and should be protected. If you are planning on going onto the deep web it’s suggested to use a VPN and a Tor browser. A VPN will hide your IP address and a tor browser will encrypt your internet browsing.

The deep web not to be confused with the dark web is legal to browse. The deep web has harmless content however the dark web has content which most internet users would find inappropriate. This would consist of Drug trafficking, child pornography and human trafficking. Internet surfers who wish to try and access these types of websites would want to be wary considering there are so many laws against this. The tools mentioned in the previous methods will help you from being tracked but it’s not 100% secure.

Q3) Documentation is in the code

References

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| **Article title:** | Privacy Cleaner |
| **Website title:** | Chrome.google.com |
| **URL:** | https://chrome.google.com/webstore/detail/privacy-cleaner/liiikhhbkpmpomjmdofandjmdgapiahi |