**IT 330 Network Security Concepts**

**In-Class Activity# 0**

**Task 1: Google Advanced Search**

Open a Google search window in your browser and do enter the following search queries

* *site:facebook.com Tom Brady*
* *allintext:[some keyword]*
* "Login: \*" "password =\*" filetype: xls
* inurl:users/password/new
* *site:\*/log/access\_log*
* intitle:"index of" "/sql"
* intitle:"index of" "contacts.vcf"
* "# PhpMyAdmin MySQL-Dump" filetype: txt
* filetype: xls inurl: "admin.xls
* intitle:"webcamxp" "Flash JPEG Stream"

Look for more google search queries at <https://www.exploit-db.com/google-hacking-database>

**Task 2: Data Breaches and websites archives**

News: <https://bugtraq.securityfocus.com/archive>

Data breaches visualization:

<https://informationisbeautiful.net/visualizations/worlds-biggest-data-breaches-hacks/>

Websites – Archives: <https://archive.org/index.php>

CISA Bulletins : <https://us-cert.cisa.gov/ncas/bulletins>

Vulnerability- List: <https://cve.mitre.org/>

Compromised email?: <https://haveibeenpwned.com/>

**Task 3: Scanning a website for security on HTTP headers**

[**https://www.securityheaders.com/**](https://www.securityheaders.com/)

* + Grade security level of web site through HTTP response headers analysis
  + HTTP response header provide a huge level of protection
  + Determine how many security-based HTTP response headers a site issues
  + Over a HTTP connection: check for Content-Security-Policy, X-Content-Type-Options, X-Frame-Options and X-XSS-Protection.