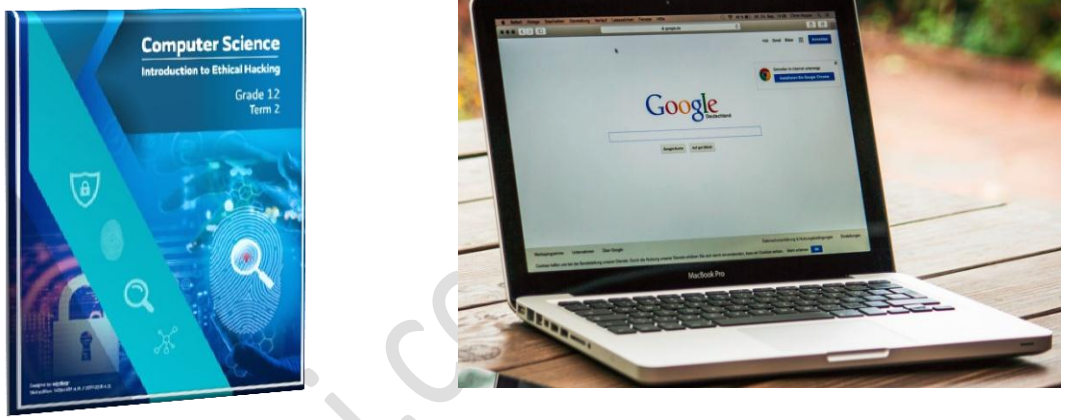
Term 3

Grade 12 -Project Task 1

SIS No Name:	**Leen Imad Habhoub**	**Date:**	**April 22th**
		Grade	**12 B**
Group:	**N / A (Not Applicable)**	**Start Time:**	
Signed		**Finishing Time:**	

Ethical Hacking



Picture 1

Picture 2

PROJECT OBJECTIVE

To understand the concepts covered in the Unit 6, term 2 book “Introduction to Ethical Hacking”, in the context of a Malware threats. The project will be covering all student learning outcomes (SLO’s) in the Unit 6.

EQUIPMENT REQUIREMENTS

Pen/Pencil, Laptop or Computer with internet connection, Paper, Printer, Term book.

PROJECT TASK INTRODUCTION

Research, using the internet or books, and complete questions with suitable answers.

STUDENT GUIDELINES

In this task you will perform research on different malware threats based on Unit 6 (term 2 book). Follow the documentation guidelines below:.

- When the question demands explanation, a clear answer to justifying the question must be provided. There is **no word limit**.
- The documentation format should follow **font Arial with text size 11 or 12**
- Discuss with your teacher regarding your mode of document submission. **(hardcopy or softcopy)**

Project Task 1 – Work Plan

Student Guidelines:

No.	Work Steps	Step Completion & Values	Remarks

Q1 What is the short term for malicious software?

Complete the table provided for the different types of malware.

Malware Type	Famous or widely known Malware example (top 3)	What is the type of infection caused? (any 1)	How it is spread? (any 1)	Different types of them. (any 3)	How to prevent that malware infection? (any 2 ways)
Virus	Cryptolocker MyDoom Stromworm	**Virus name:** MyDoom. **Infection caused:** drops the DLL (Dynamic Link Library), which creates a backdoor, opening the first available TCP port. This backdoor component allows to download and run an executable file, and acts as a TCP proxy server.	By an infected flash drive or email attachments. from removable media. from downloads off the Internet.	Macro virus. File virus. Cluster virus. Multipartite virus. System or boot sector virus.	Install antivirus. Perform daily scans. Don't click on unknown email links or attachments. keep your software up to date. Keep your Windows OS Updated. Download files only from trusted sites.
Worm	Stuxnet virus. Duqu computer worm. Flame virus. ILOVEYOU. Storm worm. Slammer. Anna Kournikova. Sasser. Netsky. Melissa.	**Worm name:** Stuxnet virus **Infection caused:** Deletes files from the host's computer. Consumes bandwidth and overloads web server.	spread automatically and infect a computer when they're opened through email messages, networks, or operating system vulnerabilities.	WANK. Swen. Sober. Sircam. Sadmind. Navidad. Morris. Mylife. Netsky. Klez. Hybris. Doomjuice. Brontok. Badtrans.	Install anti-virus software should be installed and set to automatically update and scan. keep your software up to date. Avoid opening emails that you don't recognize or expect. Run a firewall. Refrain from opening attachments and clicking on links from untrusted/unfamiliar sources..
Spyware	Adware. Trojans. Tracking cookies.	**Virus name:** Tracking cookies. **Infection caused:** track user's web activities like web searches, history, downloads, etc for various purposes like marketing, business and other purposes which depend upon the intention of the attackers.	By user downloading a file unknowlingly.	Commercial Cell Phone Spyware. USB and GPS spyware. Domestic Spyware in Cell Phone. System monitors.	Install anti-spyware software such as: spyware fighter tool and www.spamfighter.com Lookout For Pop-Ups. Harden Your Browser Settings. keep a firewall up. keep your software

Q2	***There had been many malware attacks which had happened in the UAE or there had been an alert given to the UAE before the malware attack.*** Research using internet the "malware attacks in the UAE" for any one article and complete the report questions. Given.	**Malware Name:** Code Red worm. **Countries affected:** United Arab Emirates. **Year of the attack:** July 31,2001 **Was there any solution to the attack found or proposed?** Yes. **If so, what is the solution provided or proposed?** Providing regular updates to the regional clients about the virus and the corrective measures available. If anyone had problems, they could have contacted those responsible. **Website reference to the article.** https://gulfnews.com/news/uae/general/powerful-virus-attacks-uae-computer-systems-1.422136	

Evaluation

A Check of Dimension and Function

No.	Points	Student Evaluation	Teacher Evaluation
1	The malware expansion is discussed.		
2	Different malware types and spreading ways are discussed.		
3	Malware infections and its preventive solutions are discussed.		
4	Articles for the malware attack in the UAE are researched.		
5	The reference to the malware attack in the UAE is accomplished.		
Maximum Achievable Points		10	
Summarization of Actual Points			

B Visual Checks

No.	Inspections	Explanation	Student Evaluation	Teacher Evaluation
1	The malware expansion is made correctly.			
2	The different malware types and spreading ways are listed.			
3	The malware infections and its preventive solutions are listed.			
4	The article for the malware attack in the UAE is relevant.			
5	The details of the malware attack in the UAE are listed correctly.			
Maximum Achievable Points			10	
Summarization of Actual Points				

A + B = 20