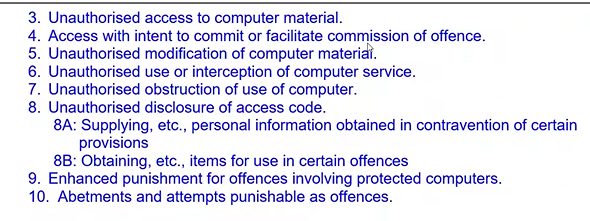
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| **Digital Forensics**  Diploma in CSF/IT  Year 2/3 (2022/23) Semester 4/6 | Week 12 |
| Tutorial 7 |
| **Law & Computer Forensics** | |

**OBJECTIVES**

After completing this topic, you should be able to

1. List the types of offences under Singapore Computer Misuse Act.
2. Differentiate and explain types of computer related offences.

Q1. Under the Singapore Cyber Law (Chapter 50A: Computer Misuse Act), which are the sections classified?



Q2. For each of the crimes reported below, identify the type of offence committed by the accused. You may refer to Singapore Statutes Online ([**http://statutes.agc.gov.sg/**](http://statutes.agc.gov.sg/)) for details.

Crime 1: *“A 17-year-old boy was sentenced to 18-months probation and 80-hours of community service in Singapore today for tapping into his neighbor's Wifi network. The tapper in question, Tan Jia Lou, got off light, managing to avoid the maximum penalty of 3-years jail time and fines of up to S$10,000.   
  
Tan is the third person to be charged with illegally hitching onto a wireless network under Singapore's Computer Misuse Act.”*



Crime 2: “*A MAN believed to be behind a power blackout at the* [*Marina Bay Sands*](http://www.marinabaysands.com/) *(*[*MBS*](http://www.marinabaysands.com/)*) integrated resort allegedly hacked into its computer network six times in May.*

*Yesterday, Leslie Liew Cheong Wee, 35, was brought to court to face charges under the Computer Misuse Act. The Malaysian, a permanent resident here, is accused of having hacked into* [*MBS*](http://www.marinabaysands.com/)*‘ computer system from his Teck Whye Lane flat between May 9 and 12.*

*He is said to have gained access to the resort’s server once each on May 9, 11 and 12, and three times on May 10*.”



Crime 3: *“The Computer Misuse Act has been invoked against 2 local lawyers for accessing computer data without authority, while serving out their post-resignation notice period at their former firm. Both were charged in the Subordinate Courts on 16 January 2001.*

*One of the lawyers had allegedly asked her husband to cause the firm’s computer system to allow her to gain access to the data in December 1999. She had also allegedly instructed her husband to copy files stored in the firm’s Intranet folder as well as legal precedents in the firm’s database.*

*Her colleague was accused of accessing the firm’s computer server without authorisation as well as copying legal precedents from the firm’s archive”.*



Q3: For each of the following cases, identify the relevant section(s) in the Computer Misuse & Cybersecurity Act (CMCA):

1. *A Singaporean teenager has been charged with tapping into someone else's wireless Internet connection, a crime that carries a penalty of up to three years in jail, a newspaper reported yesterday. The report said Tan is accused of using a laptop computer to gain unauthorised access to a home wireless network on May 13. The newspaper said a neighbour had apparently lodged a complaint against Tan.*

This constitutes offence under ONE section of the Computer Misuse & Cybersecurity Act.



1. *On 4 March 2006, the accused was seen and detained by a bank officer while trying to make an unauthorised withdrawal from an ATM located on Havelock Road in Singapore’s city centre. The police were called. Upon arrest, a search revealed that he had 22 counterfeit ATM cards in his possession, cloned from originals belonging to account holders living in the UK.*

This constitutes offence under ONE section of the Computer Misuse & Cybersecurity Act.



1. *A systems engineer formerly employed by SMC Marine Services has been accused of secretly setting passwords within a program that he developed before leaving the company, allegedly leaving his former employer unable to check, modify or upgrade the system.*

This constitutes offences under TWO sections of the Computer Misuse & Cybersecurity Act.



Q4 *“A contract programmer is accused to have deleted software*

*development files to prolong his contract. He developed the "Wrecking programs" that ran automatically in background to delete the work done by other members in the software development team.”*

For the above crime, identify the type of offence committed by the accused.



Q5 *When the accused learnt how to exploit loopholes in the PayPal payment system, he taught others around the world and was paid US$100 (S$136) in bitcoin equivalent for such "tutorials".*

*He also went onto the dark web.*

*According to online sources, special software is required to access the dark web and once inside, those browsing can access "darknet markets" where they can purchase illegal products.*

*It was in the "darknet markets" that the accused bought credit and debit card details, as well as PayPal log-in credentials, as part of a scheme to commit cheating, using his laptop and mobile phone.*

*In one instance, the former airline cabin crew member paid only US$30 for a file containing information on numerous credit and debit cards.*

For the above crime, identify the type/s of offence committed by the accused.

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