

程序代写代做 CS编程辅导



# COMP9007 Security Analytics Week 2 Tutorial

Assignment Project Exam Help

Email: [tutorcs@163.com](mailto:tutorcs@163.com)

QQ: 749389476

<https://tutorcs.com>

# Case Study 1

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You are just hired by Melbourne University as the security expert to help them secure their IT systems. In particular:



- Payroll
- Learning Management System (LMS), and
- Subject handbook hosting site

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# Case Study 1 – Q1

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Q1. How do you measure  
to protect?



Confidentiality of information you need

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By Data Classification.

- **Payroll Information:** Confidential
- **LMS Information:** Internal Use Only
- **Handbook Information:** Public

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# Case Study 1 – Q2

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Q2. What are the controls implemented to ensure the CIA triad are supported?



- Security Control for Confidentiality: Information Encryption
- Security Control for Integrity: Segregation of Duties, Approval Checkpoints
- Security Control for Availability: Up-to-Date Systems, Tested Incident Management, and Disaster Recovery Planning

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# Case Study 1 – Q3



Q3. What are the access control principles you can apply, and how?

- **Access control policy:** specify the requirement for 2 factor authentication for payroll system, and only staff in finance can have access to payroll information;
- **Separation of duties:** user access to payroll system needs to be approved by both the people leader of the requester and the head of finance;
- **Least privilege:** student has read only access to the content related to their enrolled subjects

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## Splunk & App Installation 程序代写代做 CS编程辅导

Setup your own Splunk in



- Splunk Enterprise version 8.0.x recommended for this Project. The latest version 8.0.x may experience compatibility issue with some apps due to the Python version upgrade.
- Apply the 10G Enterprise license (download link to be updated)

Install “PCAP Analyzer for Splunk” app version 4.1.x

Recommend free Splunk course to watch

- [“Free Splunk Fundamentals 1”](https://tutorcs.com)