

# Exercise 1

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516030910555 秦宇

**1. What is the main reason that information security is different from other research subjects?**

**Answer:** Information security is the science of information system in the presence of adversary.

**2. My computer is installed with firewall and anti-virus software. a) Firewall provides which security services (confidentiality, authenticity, integrity, non-repudiation, access-control)?**

**Answer:** access control

**b) Anti-virus provides which security services (confidentiality, authenticity, integrity, non-repudiation, access-control)?**

**Answer:** confidentiality

**c) If my computer is armed with all these 5 services, is it secure?**

**Answer:** No. Because someone may steal your password in other ways to hack in your computer.