What is Information Security?

Information Security is the practice of ensuring the integrity of data through the implementation of:

- Policies
- Processes
- Tools

In order to prevent, detect, log and remediate threats to data (both digital and non-digital).
How does Information Security affect businesses?

- Regulation
- Reputation
- Intellectual property
- Client data
- Business Continuity

1. Hacks
   - An external 'Threat Actor' infiltrates the business network to obtain data.

2. Insider Threats
   - Company employee uses their position to extract data from the business.

3. Distribution Error
   - Data is unintentionally sent outside of the business.

4. Physical Theft & Loss
   - e.g. USB stick left on train, laptop stolen from employee.
Recent Security ‘Incidents’

- Equifax Breach
- Energy (Ukraine / UK)
- Gmail Phishing Attack
- SEC Breach
- Deloitte Breach
- Wannacry
- Accenture Breach
- UK Parliament Breach
- NotPetya (MeDoc)
With offices in 158 countries and more than 236,000 people, we are among the leading professional services networks in the world. We help organisations and individuals create the value they’re looking for, by delivering quality in assurance, tax and advisory services.

Some facts about PwC:

- In FY17, PwC firms provided services to 419 companies in the Fortune Global 500 and more than 100,000 entrepreneurial and private businesses
- 59,252 people joined PwC firms around the world in FY17
- For the year ending 30 June 2017, PwC’s gross revenues were US$37.7 billion, up 7% on the previous year
PwC’s ecosystem introduces growing complexity...

Regulators
EU and regional authorities, Tax Authority, Customs Board Directors, ISO and other security certification, Regulators of clients, PwC International, Data Protection Authority, NIST, local governments

Customers
Referrals, Regulated, Private Companies, Multinational, Private Equity, Private Banks, Insurance Companies, Competitors of Customers, Authorities (municipalities, provinces, ministries and so on).

Joint Ventures / Suppliers / Joint Business Relationships
Joint Ventures: Google, Salesforce, Start-ups
Joint Business Relationships: Various
Suppliers: Microsoft, Oracle, Infra Providers / Third-Party Developers, Saas providers, Hardware / Software providers, Contractors printing office, Facilities, de-centrally contracted vendor, shadow IT, Other PwC territories.

Industry / Competitors
Big 4: KPMG / E&Y / Deloitte
Consultancy: Accenture / IBM
Tech: Oracle / SAP / Google
System Integrators, Law Firms, AgileStartups (e.g. blockchain), Data Companies

Partner and Staff
Interns, Disgruntled employees, moralists, E&O community, Firm Services, the PwC Network, Board of Directors / Supervisors, Contractors / Consultants, Outsourcing Partners, Document Production, Delivery Centres, NewHires, OGC, Business Unit Leaders, Data Document Hoarders, Temporary Staff

Public Opinion
Social Media, Ultimate Beneficial Owners, Regulated, Private Companies, Local / Foreign / Multinational, Private Equity, Private Banks, Insurance Companies, Competitors of Customers, Authorities

Other
Criminals, Saas Solutions, Hackathon, Blockchain, Global services PwC, Visitors, clean desk policy, meeting spaces, collegial conversation, WikiLeaks / PanamaLeaks, LuxLeaks, Lloyds Internal developed software
How does information security affect you as an individual?

- Website breaches
- Tracking cookies
- Targeted marketing
- Fraud
- Identity theft
- Financial records
- Smart lights
- Amazon Alexa / Google home
- Security Cameras
- iCloud
- Google drive
- Dropbox
- Malicious emails
- Malicious phone calls (Vishing)
- Social Engineering
- Ransomware
- Keyloggers
- Cryptominers
Applying to work at PwC

https://www.pwc.co.uk/careers/student-jobs/work-for-us/graduateopportunities.html

The recruitment team **DO** read applications – the most important part of the process is the “Why do you want to work in this area?” question that pops up across all of PwC’s graduate programmes.
Questions?

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