# unit 1

## Doc 1

Term: thuật ngữ

1. What term refers to a set of moral principles?

ethics

2. What can the introduction of new technology have a major impact on?

human behavior

3. When was the moving assembly line first introduced?

in 1913

4. Who was struggling with decision to use atomic bomb?

the government

5. What do digital technologies allow us to do with information from various sources?

aggregate

## Doc 2

1. A

code of ethics

is concerned with what is considered to be right or wrong.

2. Detailing all the guidelines in a code of ethics can provide

clarity and consistency.

3. There are

three

main disadvantages of a code of ethics.

4. You will be forced to leave the group if you repeatly violate

the code.

5. Members in organizations can have some conflicts about

acceptable behavior.

## Doc 3

1. How has it been to protect intellectual property?

more difficult

2. How many examples of intellectual property are mentioned?

4

3. What should you do with a song to have it protected by intellectual property laws?

write in down

4. Who are inclined to pursue their great ideas if they understand the benefits they’ll get?

innovators

5. How are protections for intellectual property outside the US?

Various

## Doc 4

1. Copyright is used to avoid

unreasonable advantage

of inventions or work.

2. Copyright is only for the inventor or the owner of

the original work.

3. Copyright only protects the way an idea is expressed or its

product

, but does not protect the idea itself.

4. Besides protecting the work, the copyright law should not act like

monopolies.

5. There are no similarities between copyright and others offered by

intellectual property rights .

## Doc 5

1. What are created for domestic and international restriction of software use?

intellectual property laws

2. What do the codes which are similar in programs carry out?

similar functions

3. How are the later upgrades compared to the ones released beforehand?

significantly costlier

4. Who does the software piracy offend right from?

developer, store-owners, users

5. How many crucial points should the copyright holders consider to legally protect the software?

Three

## Doc 6

1. Computer crimes have to be

intelligent enough

to control a computer system.

2. A person will be forced to leave the company for stealing, but quickly employed by

a competitor

thanks to the skill he/she owns.

3. The perpetrator can access unauthorized computer and steal

trade secrets

and data of a company.

4. To show skills and knowledge, the students hack into the university’s system which may create a

serious ethical dilemma.

5. Computer ethics issue must be actively dealed with in the classes by

Computer Science professors

## Nghe 1

1. When Fergus Industries can't earn much money from sales, its intellectual property makes it a valuable company.

2. Patent stops other companies from

Copying your creation because it means you own it.

3. A trademark identifies a company and its goods by a name,

a symbol or a word.

4. The license usually shows very clearly the way the IP can and cannot be used.

5. A right holder is the person or company legally possessing a piece of an intellectual property.

## Nghe 2

1. Copyright law protects the interests of authors, creators and publishers.

2. A large number of texts, images, recordings and videos searched onlines are protected by copyright.

3. The employer owns the intellectual creation if it is created by an employee in the course of employment.

4. Copyright can be assigned in writing for example an author's contract or a musicians contract.

5. The academic authors must check the terms of publishing contracts carefully.

## Nghe 3

Ethics is a branch of philosophy that deals with determining what is right and wrong. People working in the field of IT is going to have a lot of (1)

ethical problems

. IT professionals seem like a wizard. Non-technical people are gradually (2)

dependent

and believe in information technology. The future is very bright for IT workers. This is the reason why IT professionals need to study and practice (3)

computer ethics

. People rely on computers to handle the more boring details of their lives. An enemy or business competitor could destroy your reputation if they get access to you address on the internet. This is why we need to study Computer Ethics. The idea of Computer Ethics was invented in 1950 by MIT professor Norbert Weiner. Criminals can take advantage of phishing and other (4)

social engineering

techniques to steal your financial information . Companies can (5)

create

confusing privacy policies to take and use information about you without your knowledge or consent. Governments can block access to information using firewalls. These are all (6)

ethical violations

that happen every day.

## Nghe 4

1. Who should be in charge of the actions of the program?

the programmer

2. What is created that can be considered to be wrong ?

a computer virus

3. Why mustn't you read someone’s real physical mail?

It is illegal

4. What does Rule #4 tell computer users not to do?

steal

5. What example is mentioned as an action of creating fasle fact in Rule #5?

photoshopping

## Nghe 5

1. How many choices can you have when copying or using proprietary software?

two

2. Why is using bootleg software dangerous?

hidden malware

3. Who has to take irreparable damage from copying?

the creator

4. What do IT workers do to promote negative behavior such as killing or gambling?

write software

5. According to Zuckerberg, what is having two identities an example of?

lack of integrity

# unit 2

## Doc 1

1. Debugging helps find and correct syntax errors and any errors preventing the program from running.

2. Compiler errors should be removed right away because if not you cannot check any of the other parts of the program.

3. In many cases, logic errors are the reason why runtime errors can occur.

4. Remote debugging use a remote system to run the program and collect information to detect the errors in the code.

5. Edward Gauss invented wolf-fence debugging which helps find the error by zeroing in on the problem by continuous divisions or sectioning until the bug is found.

## Doc 2

1. What do programmers hope to detect after the debugging process?

additional errors

2. What kind of test will be conducted on the phase “ Testing”?

Alpha testing

3. What step should be executed after testing to improve the program?

program maintenance

4. What kind of test allows real customers to try the program for any bugs or errors prior?

Beta testing

5. How long does Beta testing last?

a few weeks

## Doc 3

1. What should you make before opening the software?

a sketch

2. How is the template which will work properly?

a little tweaking

3. What features of document should be set when it is set up?

size, orientation, margins

4. What should you do before adding text to the graphics-based document?

place the images

5. What wil you hope to catch when you proofread the draft?

all the errors

## Nghe 1

1. In the first step of software development life cycle, requirements from the customers are gathered to determine who will use the software and how.

2. After gathered, the requirements are used to produce several designs of the product.

3. The third stage of software development process is coding and implementation

4. The code is tested to make sure that the code works according to

specifications

5. Once the product is in use, the customer may experience technical issues and maintenance of the software occurs at that time.

## Nghe 2

1. How many options does A/B testing have?

Two

2. What can results of A/B testing have a big influence on?

A website

3. What is A/B testing commonly used?

Marketing

4. By whom may the differences between the options of A/B testing be not easily realize?

The user

5. What is option A referred to as?

Control option

## Nghe 3

1. A/B testing enables researchers like marketing professionals to show options A and options B to users.

2. A/B testing provides a snapshot into consumer preferences, and results of A/B can impact on marketing campaign for releasing a product or website.

3. Metrics for testing websites are color choice, font style, page layout, page content, or use of multimedia elements.

4. The purpose of some goals may be to determine how long a visitor stays on a web page.

5. Based on the actions taken by the user, data is collected for the goals that were previously defined

# unit 1 – test

## Doc 1

## Doc 2

## Doc 3

## Nghe 1

1. Most application software developers use specific software development kit to create applications

2. For iOS applications, the IOS SDKs is required.

3. An SDK can take the form of a application programming interfaces

in the form of on-device libraries, of reusable functions.

4. SDKs may include sample software, or technical notes along with documentation and tutorials.

5. A GPL-licensed SDK could be incompatible with proprietary software development because of legal reasons

## Nghe 2

1.Apart from sending and receiving emails, what does computer ethics involve on the internet?

chatting

2.What do the interner users expose to sign up for sites?

personal information

3.What refers to the creations of mind?

intellectual property

4.Can digital content be under copyright?

yes

5.What does the improper use of the internet refer to?

internet abuse

## Doc 1

1. Deciding the technology of the infrastructure is important because it affects on the ability to manage infrastructure

2. The purpose of designing Cloud infrastructure’s the on-demand capabilities is to make efficient use of resources and ensure scalability

3. The network must be configured to cope with any changes . Also, it is able to handle applications which migrate from hardware to hardware.

4. Along with automation of management system, visibility plays an indispensable role of designing an on-demand computing infrastructure.

5. When above four steps are completed, the integration, automation of the infrastructure permit the infrastructure to act on-demand.

## Doc 2

1.What would you face when you think about ethics in the computer field?

software piracy

2.Who do computer ethics deal with the conduct shown by beside common computer users?

computer professionals

3.What make computer ethics to increasingly become important?

cyber-crime issues

4.What is software piracy the stealing of?

legally protected software

5.What is one of the most pressing computer ethical concerns these days?

duplication, unauthorized access

# unit 3

## Nghe 1

1. Normally, when you first plug in your device, it’ll install the necessary drivers.

2. The man has got some problems with his Laserjet printer so he needs to update its drivers.

3. To manually install a driver, first, access the website of the manufacturer and download the latest one.

4. You can update your current driver by opening device manager and choose ‘Update Driver’.

5. It’s a good idea to restart your computer even if you are not prompted.

## Nghe 2

1. What operating system is the man installing?

Windows XP

2. Where should you go to buy the CD?

the store

3. What key does the man press to load the Windows setup screen?

the spacebar

4. What should you do with the hard drive, which helps to store backup data?

partition

5. What system does the man recommend using to format the hard drive?

NTFS system

## Doc 1

1. To boot the computer from the CD/DVD drive, first, you need to press a key to enter the

BIOS setup program

2. You can select the CD-ROM option by pressing the down arrow key to the “First Boot Device” line and following the onscreen instructions.

3. United States English is recommended to be selected as the installation language.

4. You should enter the Windows operating system product key to affirm that your copy is legal.

5. The minimum recommended size for the OS partition is 20GB

## Doc 2

1. You can make sure the maintenance of clear air flow by checking the physical connections among devices.

2. It’s recommended to keep the sides of expansion cards, motherboard and cooling fan free of dust.

3. You can get rid of all the temporary Internet files by clicking on Tools, then selecting Internet options and clicking the option marked Delete Files.

4. Running a disk cleanup allows you to delete unnecessary files such as old compressed or temporary files.

5. It is important to delete rarely-used programs or the ones that are not in use to speed up your PC.

## Doc 3

1. What problem can power failure or viruses cause to your printer driver?

damage

2. How many ways of installing the latest printer driver are mentioned in the text?

3

3. What will Windows update do if it finds an updated version of printer driver?

download and install it

4. What word should be included along with the name of printer manufacturer when you search on the Internet?

“support”

5. How are most drivers described to be?

self-installing

# unit 4

## Doc 1

## Doc 2

## Doc 3

## Nghe 1

1. The Dell laptop is one of the very best notebooks which you can buy for $750

2. You can fold over the laptop backwards to make it into a

touchscreen tablet

3. The laptop has a fast Solid State Drive with 256 GB of storage.

4. A special depth-sensing camera that lets the author log into Windows with his face

5. The external battery gave 3 to 4 hours of additional battery life for about a hundred bucks.

## Nghe 2

## Nghe 3

# unit 3

## Doc 1

## Doc 2

## Doc 3

## Nghe 1

## Nghe 2

## Nghe 3

# unit 4

## Doc 1

## Doc 2

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# unit 4

## Doc 1

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## Nghe 1

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## Nghe 3