



Introduction to Information Systems - Understanding the digital world

9 Communication and Networks

Liang Zhao

ILA, Doshisha University

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Today's schedule

- Do week explanation (5')
- Review of the scratch game (5')
- Fish and fishing (10')
- Intro to telecommunication (15')
- Computer networks (15')
- Mini test #9 and grading (35')
- Information and homework (5')

Do week: Javascript and HTML (5')

1. Goto <https://aw.gsais.kyoto-u.ac.jp/liang/lectures>
2. Watch the instruction video with the slide file.
3. Try the first four exercises.
4. Finish the classwork.
5. Complete the mini test #8 and submit at the next lecture.



Review of the Scratch game (5')

Highlighted = no paper

Received: 2 **3** 6 7 **8** 13 **16** 20 21 24
25 26 27 28 29 **30** 32 33 **35** **37** 39
40 **44** 45 51 **53** 55 58 59 60 61 **65**
66 **68** 70 71 73 74 75 **79** 80 81 86
88 **89** 90 91 92 93 **94** 95 99

No submission: **1** **10** **11** 14 **15** **18** **82** **85**

TA's favorite game

Maze
by charlotte_0000

Energy 2

使い方

Please help the blue ghost obtain the diamond by pressing the up, down, right, and left arrows.
Beware of Griffin, Fairy, Witch, and Wizard.
You can collect green potions to protect the blue ghost.
Thank you for playing!

メモとクレジット

Maze: <https://www.mazegenerator.net/>

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リンクをコピー

Fish and fishing (10')

- *Fish* or *fishing* (Learn to fish), please choose for the rest of this course (5').
- If you choose *Fish*, please quit, since you can learn little from the course. In that case, please remember it was your choice, not because the course is a *fish*.

Skill	Fish (instant temporary aid)	Learn to fish (time consuming but for self-sufficiency)
Quantitative thinking	Calculator	Learn Math
Information processing	ChatGPT, Gemini, Copy, or anything that provides instant knowledge.	Search, Read, Listen, Think, Practice, etc, with more info processing activities by brain.



Introduction to telecommunication

- Tin can telephone (3')
- Morse code:
https://www.youtube.com/watch?v=iy8BaMs_Jul (4')
- Codes for text message (ASCII etc), for emoji (UTF-8 etc), for video message (H264 etc)

More on Morse code

- Source: dailymail.co.uk
- Cheating with Morse code is Okay only in this course.

Writing answers on a tampon and using **MORSE CODE** The most bizarre (and ingenious) ways British students have cheated on their exams revealed

- One in ten students admit to having cheated on a test, finds a new survey
- Ploys include using UV pens to write 'invisible' answers on arm
- One student wrote notes on her fingers and concealed them with rings

By [ANNABEL FENWICK ELLIOTT FOR MAILONLINE](#)

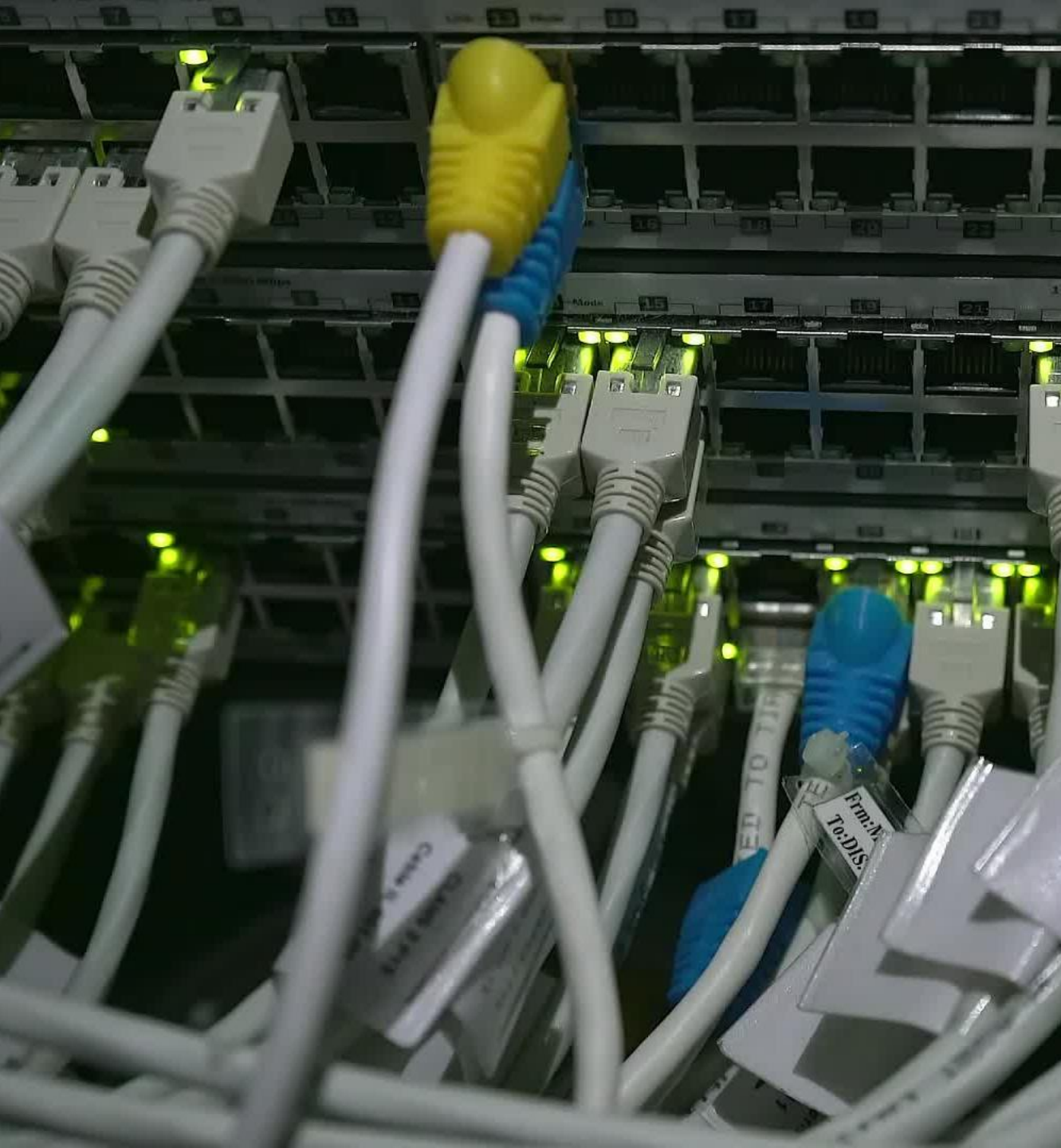
PUBLISHED: 18:57 GMT, 24 June 2015 | UPDATED: 22:34 GMT, 24 June 2015

EXCLUSIVE: Morse Code is making a comeback! Children as young as FIVE are learning the once groundbreaking form of communication - spurred on by K-Pop bands who use it to leak hints about upcoming songs to fans

- More and more young people around the world are opting to learn Morse Code
- Several K-Pop bands use it in their videos to provide hints about upcoming songs
- **EXCLUSIVE:** MailOnline speaks to people teaching Morse Code to others

By [EIRIAN JANE PROSSER FOR MAILONLINE](#)

PUBLISHED: 14:28 GMT, 26 January 2023 | UPDATED: 14:07 GMT, 30 January 2023



Computer networks

- Youtube -> Crash course, Computer networks (15')
<https://www.youtube.com/watch?v=3QhU9jd03a0>

Mini test (20')

International Morse Code

1. The length of a dot is one unit.
2. A dash is three units.
3. The space between parts of the same letter is one unit.
4. The space between letters is three units.
5. The space between words is seven units.

A ● —
B — ● ● ●
C — ● — ●
D — ● ●
E ●
F ● ● — ●
G — — ●
H ● ● ● ●
I ● ●
J ● — — —
K — ● —
L ● — ● ●
M — —
N — ●
O — — —
P ● — — ●
Q — — ● —
R ● — ●
S ● ● ●
T —

U ● ● —
V ● ● ● —
W ● — —
X — ● ● —
Y — ● — —
Z — — ● ●

1 ● — — — —
2 ● ● — — —
3 ● ● ● — —
4 ● ● ● ● —
5 ● ● ● ● ●
6 — ● ● ● ●
7 — — ● ● ●
8 — — — ● ●
9 — — — — ●
0 — — — — —

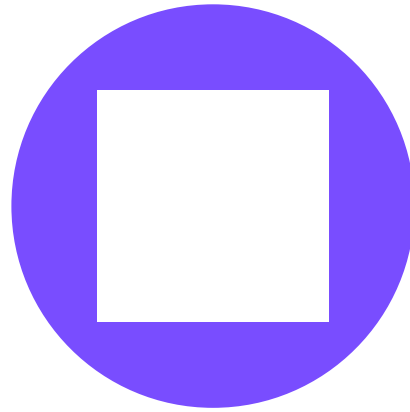


Grading (15')

- **Work in pair to translate the Morse code of your peer. You can use the next machine translator.**
- **<https://morsecode.world/international/translator.html>**

Information and homework

**You are welcome
to feedback your
interests/options
- I read them.**



READ CHAPTER 8.