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START: Tasks Monday

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Start

- Ice Breaker (15 mins) - Introduce yourself

\* name

\* why are you taking the class

\* where are you from

\* Hobbies, instrument, sports

- Course Intro (15 mins max with questions)

\* abel

\* what is a pattern?

\* Life patterns

\* Restaurant as a computer

\* Emphasis: every field is a set of patterns.

(Practicing professionals: apply field patterns)

- Teams (10 mins)

\* Explain team formation

\* number 1-to-5

(1s together, 2s together, etc)

Magician Black and White Card

- the black and white grid (odds/events)

- Abel does it first

- Abel teaches students

- students practice

- ask for volunteers:

student group demostrates

(first group get it correctly wins)

Gale-Shapley Algorithm

Exercise explanation (10 mins)

- Explain

- Cards initial arrangement

- Required minimum score is 11

- Team with high score gets wristbands

- SOLUTION: 25 (based on bbc program)

Start (30 mins):

- Freeform

With Algo (30 mins)

Algo - Round 1:

- Queens select their top 4 choices

- Queens select their top choice (first paring)

- King consider offers

- King selects top offer

(rejects others)

- Rejected queens top choice is removed

Algo - Round 2:

- Queens select their next top choice

- King consider offers

- King selects top offer

(rejects others)

- Rejected queens top choice is removed

Gale-Shapley - Teaching Staff Notes

- Provide students with cards

- Provide students with card configuration

- Ask them to maximize happiness

- Scoring system

1st choice: 4 pts

2nd choice: 3 pts

3rd choice: 2 pts

4th choice: 1 pts

Life happines (apply to something of their choosing)

- Explain problem - life happiness

- Ask students to propose approach

- Take vote, select approach

- Carry out exercise

- Select presentation team

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Afternoon

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Build a page:

HTML

- write your name in a text file (using notepad)

- add a tag <h1>

- add an image

CSS

- add ball

(<http://doval.scripts.mit.edu/abel/03_web_document_basics/slides.html#/27>)

- vary size, shape, position

CSS

- do the overlapping balls exercise

(<http://doval.scripts.mit.edu/abel/03_web_document_basics/slides.html#/26>)

Preparation:

Web Document Basics

- doval.scripts.mit.edu/abel/03\_web\_document\_basics/slides.html

- onexi.org/abel/03\_web\_document\_basics/slides.html

-<https://www.youtube.com/watch?v=ZdGk3zy7K7M>

Language Basics

- Lecture 2, Arrays & Objects,<http://onexi.org/lectures.html>

- Lecture 3, Functions,<http://onexi.org/lectures.html>

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END: Tasks Monday

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