Welcome to CS1

Hussein Suleman <hussein@cs.uct.ac.za>
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Some logistics …

- Textbook: Savitch, Absolute Java, Third Edition.
- Lectures: CS2A everyday, 4th or 5th period
- vula.uct.ac.za
- Course convenor: hussein@cs.uct.ac.za
- Teaching assistants: Lebeko (1015), Lekometsa (1015), Marco (1018)
- No practical sessions next week
- Orientation on friday 20 feb for 1015

CSC1018

- First semester CS in Python for those who know Java already
- More practical work and self-study
- Additional requirements:
  - Distinction (A) in matric Computing
  - Pass a Java competency exam
    - CS303
    - 2pm
    - Friday 13 February
  - Must be able to attend 4th period lecture

Puzzle 1

- You live in digs with 2 classmates. Only you have a car – a very small car that seats exactly 2 people! After a long first day at UCT, all of you meet in the carpark but you realise you need to make multiple trips to get everyone home. Also, you invited a girl you fancy to show her the area you live in. However, the young lady insists that you do not leave her alone with any of your mates. How will you get everyone home?

Puzzle 2

□ You have just moved into Tugwell and discovered that there are 3 light switches on the first floor that control 3 floor lamps on the 10th floor. How can you determine which switch controls which light by making only one trip to the 10th floor?

Puzzle 3

- 3 skollies are caught stealing a set of 5 almost identical soccer jerseys (3 say "ajax" on the back and 2 say "chiefs"). They are given one last chance to avoid punishment. They are made to stand in a queue and, in the dark, each is given a jacket to wear. The other 2 jackets are hidden away. When the lights are turned on, they are told that whoever guesses which jacket they are wearing can go. The third skollie can see the first and second jackets, the second skollie can see the first jacket and the first skollie can see nothing. After a few minutes of silence, the first skollie correctly shouts out what is written on his jacket. What is it? How?