# Supplementary Materials for Lecturers
# Guide to the Module 20ArrRec.pps

This is designed to be an evocative example. Depending on your students, you may or may not want to use this example.

These three boys approach to getting a girlfriend illustrate three ways of processing data.

Paul: He was only processing one piece of data and carrying out a number of operations on this single piece of data.

Roger: He was selecting a small data set and submitting each piece of data through different processing steps. He had basically using different functions on each data element

Dhayalan: His approach most mimics the use of arrays to process. He processed a very large data set with each element of data being processed in the exact same way.

## Slide 3

1. The key idea of Roger was that girls only care about $$$. So he needed to give the impression that he was rich (or that his father was rich). Thus the silk shirts! (Incidentally, Roger was actually quite poor.)

3. HK: Hong Kong (his home town); TO: Toronto—the nearest big city with a large Chinese population, restaurents and Chinese movie theatres; Uni: At the university; Montreal: A nearby exciting city for travel.

The specific needs: University girlfriend (student with 4.0 average) to help him ace his courses. Hong Kong girlfriend: only child of a very successful and rich Chinese businessman. TO girlfriend: beautiful girl for fun

4. Competition: girl pyschology. They never blame the guy for not being faithful. Always blame the other girl for attracting him. Each girl will try harder to please!

## Slide 6

Discuss how these approaches to girls mimic the use of data structures. All techniques had a degree of success: Paul married the girl he was interested in a few years later. Roger had 4 girlfriends. 3 girls competed, but, unfortunately, the girl he liked the most didn't play the game and left him. Dhalayan asked about 150-200 girls in the next 3 months. Most girls just walked away, a few slapped his face but one or two girls accepted his offer.

 