

# IS MSc Artificial Intelligence Programming II

## Exercise 1 (Issued: week 1)

The purpose of this exercise is to enable you to write, compile and run your first POP-11 program. You'll need to work through the Teach files indicated in the course handout.

```
define doctor();
  lvars answer;
  [are you feeling well] =>
  readline() -> answer;
  if answer = [yes] then [you do not need me] =>
  else feelbad()
  endif;
  [that will be $50 please] =>
enddefine;
```

```
define feelbad();
  lvars answer;
  [do you hurt somewhere] =>
  readline() -> answer;
  if answer = [yes] then [take two aspirins] =>
  else [you need to see a specialist] =>
  endif
enddefine;
```

1. Create a file called surgery.p containing the above program via either XVED or EMACS.

- Get into POP-11, then compile the program, then run it by

```
tsunx% pop11
Sussex Poplog (Version 15.52 Tue Jun 30 12:52:31 BST 1998)
Copyright (c) 1982-1997 University of Sussex. All rights reserved.
```

```
Setpop
: load surgery.p
: doctor();
```

You get out of POP-11 by typing **bye**.

- If using XVED, run the program from *within* XVED, as explained in the lecture notes and Teach files.

2. Modify the program in some way and try it again.

3. *Optional* Extend the program by adding **elseif** branches to procedure feelbad and create a new procedure feelgood that is called from doctor if the answer is [yes].