ITB001 –Week 1 Homework

This week, you are expected to do the following short exercises to ensure you know how to access the necessary software either on campus or from home, and become familiar with the programming environment by entering and evaluating program code.

On the ITB001 OLT site (under "Lecture Materials") you will find help files as follows:

- For information about accessing the software see: See HOW TO at QUT.pdf.
- For information about DrScheme see: Dr Scheme handbook.pdf.

1. Either:

    1.1   Login to a FIT pc lab computer - use your QUT access username and password

    or:

    1.2   Download and install DrScheme onto your own computer:

2. Open up DrScheme

3. Create a new program consisting of the following code:

```
(list->string (map integer->char (list 72 101 108 108 111 32 87 111  114 108 100)))
```

4. Save your new program

5. Run the program

6. Record the program's output:

    ……………………………………………………………………………………………….

7. Comment out all the code in your file

8. Add this further code to your program file, where "^" denotes a space:

```
(display "    +\n    *\n   ***\n  *****\n *******\n*********\n    *")
          ^^^^   ^^^^   ^^^     ^^      ^                   ^^^^
```

9. Save the program again

10. Run the program

11. Record the program's output:

    ……………………………………………………………………………………………….