Programming – DT211/1

Lab 8 – Wednesday, November 14th, 2012

Note: You are expected to finish all programmes in your own time if you do not get these done during the lab session. This is your own responsibility.

Arrays (part 2)

Remember: Use Symbollic names in your programs. Do not hard-code.

Write separate programs to:

1. What is in a[8] after the following code is executed?

```
for (i = 0; i < 10; i++)
{
        a[i] = 9 - i;
}
for (i = 0; i < 10; i++)
{
        a[i] = a[ a[i] ];
}
```

Include this code in a full program, compile and run it. Display the contents of a[8] to see its contents. Do you understand how it works and what is happening? Step through the process on paper to understand it.

2. Write a program that uses a 3x2 (2-D) array. Your program must do the following:

a) Enter values into the array
b) Display the values in the array
c) Find the smallest & largest value and display these
d) Calculate the average of the values and display this

3. Chapter 7 - Q4 (use a 1-D array), Q5, Q9