

GEO111 – NUMERICAL SKILLS IN GEOSCIENCE

week #04: Fundamentals of computer programming (continued)

17th October 2016

Work plan

There are two components to the lab work:

1. Work through the rest of Chapter #3 (b) which has now been re-re-revised and extended with additional loop and conditional examples
2. Work through Section 6.1 of chapter #6.

Learning goals (aka: 'what specifically should I have got to grips with?')

Topics and methodologies you should be familiar with:

- loops (both forms: `for` and `while`) and using variables for 'counting'
[*you really should be getting happy/familiar with these by now ...*]
- conditionals, logical (`&&` etc) and relational (`>` etc) operators
[*ditto*]
- (combinations of the two)
[*ditto*]
- NaNs
- `find`-ing
- data filtering

specific MATLAB commands you should be familiar with:

- `find`
- `length`