

Computational Quantum Physics

Week 3

Due on Week 4

Exercise 1: **Checkpoints**

Write a subroutine to be used as a checkpoint for debugging.

- (a) Include a control on a logical variable (DEBUG=.TRUE. or .FALSE.)
- (b) Include an additional (optional) string to be printed
- (c) Include additional (optional) variables to be printed

Exercise 2: **Documentation**

Rewrite Exercise 3 of Week 1 including:

- (a) Documentation.
- (b) Comments.
- (c) Pre- and post- conditions.
- (d) Error handling
- (e) Checkpoints