# PA02 - Grading Rubric and Assessment Form

Student <u>Programmer</u> Code Number: _____

Student <u>Grader</u> Code Number: _____

Grading annotation is **<u>required</u>** where lines are provided

<u>Quality building process</u> – must be easy to read and build

_____ / 5. Program compiles without warnings or errors; makefile is correctly configured so that typing `make` will implement the building process

_____
_____


_____ / 5. All required code, libraries, etc complete and available
      - no more than 2 points credit if unecessary files such as unused library files, program
         configuration or meta-data files, etc. are included

_____
_____


_____ / 35. Program source code is easily readable and understandable
    $\leq$ 5 pts. Difficult or impossible to read or understand, poor indenting and program structure
    $\leq$ 15 pts. Some parts difficult to read or have poor structure, but some program parts are clear
    $\leq$ 25 pts. Some parts difficult to read or have poor structure, but overall program process is clear
    $\leq$ 35 pts. Program is written and structured clearly, all parts are quickly and easily undersood

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<u>Quality program development</u> – specified items must be easy to identify and understand (no credit if unique threads are not used for each I/O operation)

_____ / 5. Program and code are structured well; functions are appropriately used to support program modularity

_____
_____
_____

_____ / 5. Program responds elegantly and appropriately to configuration and meta-data input file failures, such as corrupted or missing files

_____
_____
_____

Correct program code/operation - items must be clearly found in code prior to running program (no credit if unique threads are not used for each I/O operation)

_____ / 5. Correct and appropriate thread calls and management

_____
_____
_____

_____ / 5. Correct and complete management of all input data (e.g., configuration, meta-data files)

_____
_____
_____

_____ / 5. Correct and appropriate use of system clock to report OS simulation times; each operational time (e.g., processing, I/O, etc.) is reasonably close relative to the given cycle time and msec per cycle data

_____
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_____

_____ / 5. Program runs correctly with 5 grader-provided meta-data sets (1 pt each)
      - **no credit here** if program does not run (e.g., won't run on ECC/Linux computers, `make` file failure, code or code support files missing, etc)

_____
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_____

**_____ / 75. Assignment Subtotal**      ☐ **C language was used exclusively**

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Instructor grading area below. No student writing under this area
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_____ / 75. Assignment Subtotal, less late submission reduction if appropriate

_____ / 5. Extra Credit for using C language exclusively

_____ / 25. Grader Score

_____ / 100. Total PA Grade