| VCE Software Development: School-assessed Task 2016 |
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| **Assessment Criteria** | Levels of Performance |
| **Not shown** | **1–2 (low)** | **3–4**  | **5–6 (medium)**  | **7–8**  | **9–10 (high)**  |
| **6.** Skills in using a programming language to develop a software solution that meets specific needs or opportunities. |  | Applies limited processing features of the language to develop a partial solution.* Instructions
* Procedures
* Limited use of control structures
* Limited conventions followed

 Writes limited internal documentation with minimal formatting.* Limited comments
* Limited formatted including:
* Above a section of code
* To the right of code blocks

Applies limited data validation techniques to check the reasonableness of some input data.* One of:
* Existence checking
* Range checking
* Type checking
* Limited check of input data

Limited evidence of a sorting algorithm in the solution.* Sorting algorithm included, but may not work or be suitable
 | Applies some processing features of the language to develop a solution. Inaccuracies and omissions affect the operation of the solution. Applies inconsistently some coding conventions.* Instructions
* Procedures
* Some methods
* Some functions
* Some use of control structures
* Inaccuracies and omissions
* Some conventions followed

Writes some formatted internal documentation.* Some comments
* Some formatting including:
* Above a section of code
* To the right of code blocks

Applies some relevant data validation techniques to check the reasonableness of most input data.* Some of:
* Existence checking
* Range checking
* Type checking
* Some checking of input data

Writes a solution with a sorting algorithm with some level of complexity.* Sorting algorithm included with some level of complexity
 | Selects and applies a range of processing features of the language to develop a solution. Some errors of correctness or completeness exist. Coding conforms to some accepted conventions.* Instructions
* Procedures
* Methods
* Functions
* Some use of control structures including
* Sequence
* Selection
* Repetition
* Errors of correctness or completeness
* Some accepted conventions followed

Writes some formatted internal documentation with relevant program comments, however, inconsistencies exist.* Some comments
* Some relevant program comments
* Follow some conventions
* Some formatting including:
* Header with purpose
* Above a section of code
* To the right of code blocks
* Inconsistencies exist

Applies efficiently and effectively some relevant data validation techniques to check the reasonableness of input data.* Includes:
* Existence checking
* Range checking
* Type checking
* Checks the reasonableness of input data

Documents a solution with a mostly complex sorting algorithm.* Suitable use of a sorting algorithm
* Some level of efficiency
 | Correctly selects and applies a wide range of relevant processing features of the language to develop a solution. Minor errors exist. Coding confirms to most accepted conventions.* Instructions
* Procedures
* Methods
* Functions
* Control structures
* Conventions:
* Naming of objects and files
* Indenting of code
* Minor errors exist

Writes internal documentation that contains relevant program comments and is formatted.* Detailed comments
* Relevant program comments
* Follows most conventions
* Formatted including:
* Headers with purpose, author and date last edited
* Above a section of code
* To the right of code blocks

Applies efficiently and effectively most relevant data validation techniques to check the reasonableness of input data.* Applies relevant techniques of:
* Existence checking
* Range checking
* Type checking
* Checks the reasonableness of input data

Documents a solution with a complex sorting algorithm.* Sorting algorithm suitable for solution
* Efficient use
 | Correctly selects and skilfully applies an extensive range of relevant processing features of the language to develop a correct solution. Coding conforms to all accepted conventions.* Instructions
* Procedures
* Methods
* Functions
* Control structures
* Conventions:
* Naming of objects and files
* Indenting of code

Writes clearly internal documentation that is comprehensive, contains relevant program comments and is well formatted.* Comprehensive comments
* Relevant program comments
* Follow conventions
* Formatted including:
* Headers with purpose, author and date last edited
* Above a section of code
* To the right of code blocks

Applies efficiently and effectively all relevant data validation techniques to check the reasonableness of input data.* Existence checking
* Range checking
* Type checking
* Check of all input data

Documents the efficient use of a complex sorting algorithm in the solution.* Complex sorting algorithm suitable for intended purpose
* Efficient in terms of sort time
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