| 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)**  |
| **5.** Skills in organising and managing data and files. |  | Organises and manipulates limited data through the use of few data structures.* A few data structures, either:
* Arrays or
* Records
* Limited data manipulated and organised

Organises limited files in a way to allow quick access to data.* Limited use of files
* A few files
* Single file type
* Allows quick access to data

Applies few procedures or techniques to secure files or enhance access to required files. * Limited access restrictions
* Limited code structures
* Incomplete report discussing security procedures
 | Organises and manipulates some data through the use of some data structures. Inaccuracies exist. * Some data structures, either:
* Arrays or
* Records
* Some data manipulated and organised
* Inaccuracies exist

Stores and organizes some files in a way that allow quick access to some data.* Some use of files for storage/organisation
* Some files
* Single file type
* Allows quick access to some data

Applies some general procedures and techniques to handle and manage some files. Errors expose potential security vulnerabilities and problems accessing required files. * Some access restrictions
* Brief report discussing some security procedures
* Some file storage and code structures
* Omissions and errors expose security vulnerabilities
* Problems accessing files

  | Organises and manipulates some data through the use of some appropriate data structures.* Some appropriate data structures, either:
* Arrays or
* Records
* Some data manipulated and organised

Devises a file management plan for storing and organizing files that considers some relevant file features that affect the speed of accessing data. * File management plan for storing/organizing files
* Some files
* Multiple file types
* Affects data access speed

 Applies some appropriate procedures and techniques to handle and manage most files. Some errors expose potential security vulnerabilities or problems accessing some files.* Some appropriate access restrictions
* Report discussing several appropriate security procedures
* Some appropriate file storage and code structures
* Some errors expose security vulnerabilities
 | Organises and manipulates most data through the efficient and effective use of mostly appropriate data structures. * Mostly appropriate data structures, either:
* Arrays or
* Records
* Efficient and effective use
* Most data manipulated and organised

Devises an appropriate file management system for storing and organising most files to increase the speed of accessing data. * Appropriate file management system
* Several files
* Multiple file types
* Increase data access speed

Applies an appropriate set of procedures and techniques to handle and manage the security and accessibility of all files. Minor efficiency or effectiveness errors exist.* Appropriate access restrictions
* Mostly complete report discussing security procedures
* Mostly appropriate file storage and code structures
* Minor errors affecting efficiency and effectiveness exist
 | Organises and manipulates all data through the efficient and effective use of appropriate data structures. * Appropriate use of data structures:
* Arrays
* Records
* Efficient and effective use
* Most data manipulated and organised

Devises a coherent and appropriate file management system for storing and organising files that maximize ready access to data. * Appropriate use of files and file formats
* Multiple files and types
* Complex data file structures
* Allows ready access to data

Applies systematically a comprehensive set of procedures and techniques to efficiently and effectively handle and manage the security and accessibility of all files. * Access restrictions
* Files stored in appropriate locations
* Appropriate code structures
* Comprehensive report discussing security procedures
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