| 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 |