| VCE Software Development: School-assessed Task 2017 | | | | | | | |
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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 organising and managing data and files. |  | Identifies limited ways of organizing files or data to allow access.   * Limited use of files * A few files * Single file type * Allows quick access to data * Absolute paths to data 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   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 | | Identifies some ways of organizing files or data to allow efficientaccess   * Some use of files for storage/organisation * Some files * Single file type * Allows quick access to  some data * Relative paths to data files   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   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 | Identifies a logical plan for organising files or data to allow efficient and secure access.  File management plan for storing/organizing files   * Some files * Multiple file types * Affects data access speed * Relative file path * Access to program password protected     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   Applies some feasible 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 | Identifies **a** systematic and logical plan for organising files or data to allow efficient and secure access.   * Appropriate file management system * Several files * Multiple file types * Increase data access speed * Relative file path * Appropriate varying levels of  data access   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   Applies a feasible 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 | Identifies a comprehensive, systematic and logical plan for organising files or data to allow efficient and secure access.   * Appropriate use of files and file formats * Multiple files and types * Complex data file structures * Allows ready access to data * Relative file path * Data files encrypted   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   Applies a feasible and 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 |