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Zanda Nwabisa September

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| **Across**  **2.** They assist users in developing IS programs and procedures and prepare user programs for computer processing  **3.** Manage computer hardware, software, and data resources during information processing  **7.** a set of programs controlling the computer hardware and acting as an interface with the application programs  **11.** Translates symbolic code written in assembler language (lower level program) into machine language  **12.** allows people and organisations to take advantage of unused computer power over a network  **15.** These languages use symbolic codes to represent instructions and were developed to reduce the difficulties in writing machine languages  **16.** Support the operations and management of computers  **17.** is a type of system software that performs a specific task, usually related to managing a computer, its devices, or its programs  **18.** that make copies of files to be used in case the originals are lost or damaged  **19.** Translates and executes one program source code statement at a time, as the program is running  **20.** They are used by network servers and other computers in a network. They are used to control and coordinate computers that are networked or linked together | **Down**  **1.** Contains a lot of the components of a GUI in order to present users with a form which facilitates the capturing and storing of information  **4.** are systems software programs that help the user in the creation, controlling development, usage and maintenance of the databases of computer systems  **5.** allows a programmer or end user to develop the sets of instructions that constitute a computer program  **6.** Selecting a programming language to use for a particular program involves balancing the functional characteristics of the language  **8.** This is donated for public use and has no copyright restrictions  **9.** Converts a complete source code program into a machine language program that the computer can process in its entirety  **10.** allows the user to remove the files of programs that are no longer needed  **13.** This is copyrighted software that is provided at no cost to a user by the company that retains all the rights to the software  **14.** A menu-driven interface supplies drop-down menus from which you can access commands |