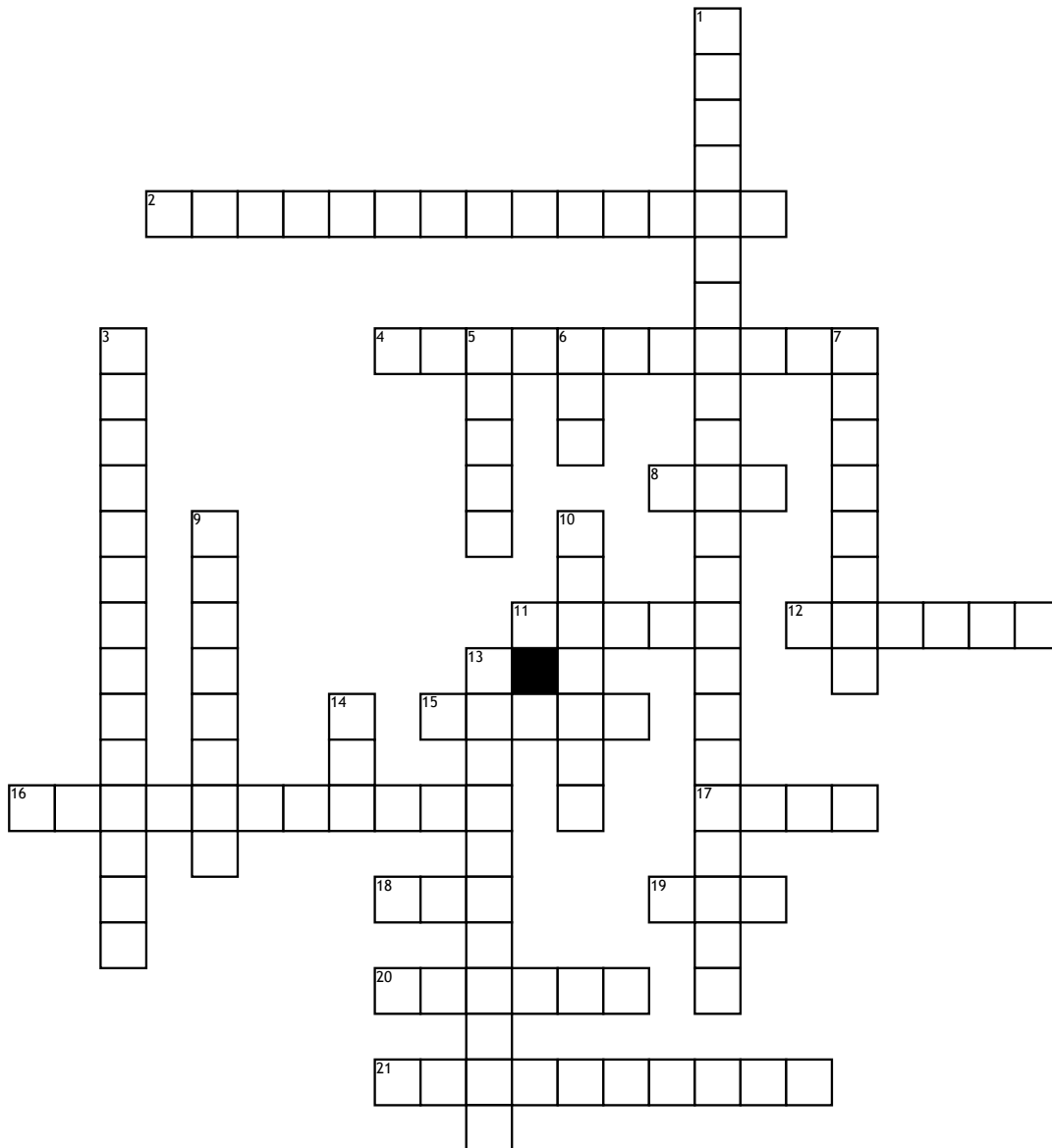


Systems Architecture



Across

2. a combination of both hardware and software working together
 4. a register in which intermediate arithmetic logic unit results are stored
 8. holds the address of the current instruction that is to be fetched from memory
 11. the retrieval of data by a software program, script, or hardware device
 12. converting code into plain text
 15. in the computer system where information or hardware is entered
 16. a component of a computer's central processing unit that directs the operation of the processor

17. a small CPU or processor built into a big CPU or CPU socket
 18. a unit in a computer which carries out arithmetic and logical operations
 19. a communication system that transfers data between components inside a computer
 20. data that the computer sends
 21. the cpu's frequency, expressed in cycles per second

Down

1. a common architecture in which data and instructions are both stored as binary digits. data and instructions are both stored in primary storage.

3. a register that manages the memory address of the instruction to be executed next
 5. a place that stores data so that future requests for that data can be accessed faster
 6. holds contents of MAR or data that is to be transferred to primary memory
 7. internal memory or immediate access memory stores
 9. physical components of a computer system
 10. to run a program in the computer
 13. an order given to a computer processor by a computer program
 14. central processing unit