CS 232 Computer Organization

ISA

- Basic ISA classes
  
  • Stack Architectures
    
    - operations happen on the top locations in the stack.
    
    - push/pop: one explicit operand which is memory location, indicates where the data is from or stored at
    
    - unary: one implicit operand which is the top element in the stack, result is stored back to the top of the stack
    
    - binary: two implicit operands which are the top two elements in the stack, result is stored back to the top of the stack