Binary representation for operations

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# Assume $0 is always 0
# Initial Setup
           ; li $v0, 4 (load immediate for syscall to print string)
00001100
           ; li $v0, 5 (load immediate for syscall to read integer)
00001101
           ; li $v0, 1 (load immediate for syscall to print integer)
00001110
           ; li $v0, 10 (load immediate for syscall to exit)
00001111
           ; la (load address for string prompts, binary representation is illustrative)
00010000
# Move Operations
           ; move (move data between registers, binary representation is illustrative)
00010001
# Arithmetic Operations
01111011
           ; add $3, $1, $2 # Add $1 and $2, result in $3
           ; sub $4, $1, $2 # Subtract $2 from $1, result in $4
10011011
10111011
           ; mul $5, $1, $2 # Multiply $1 and $2, result in $5
11011011
           ; div $6, $1, $2 # Divide $1 by $2, result in $6
# Conditional Branch
01111000 ; bgt $3, $4  # If addition result > subtraction result, branch
# Branch if Equal
           ; beq (branch if equal, used for conditional logic in the program)
00010010
# Jump
           ; j (unconditional jump, used to return to the start or exit)
00010011
# Print Results
                        # Print addition result
01101011
           ; pr $3
           ; pr $4  # Print subtraction result
10001011
           ; pr $5  # Print multiplication result
10101011
           ; pr $6
                            # Print division result
11001011
```