GAME HACKING FUNDAMENTALS
CHEAT SHEET

Data Movement Instructions

Instruction	Description	Example
MOV	Move data from one location to another	MOV eax, ebx
PUSH	Push a value onto the stack	PUSH eax
POP	Pop a value from the stack	POP eax

Arithmetic Instructions

Instruction	Description	Example
ADD	Add two operands	ADD eax, ecx
SUB	Subtract two operands	SUB edx, eax
INC	Increment an operand by 1	INC eax
DEC	Decrement an operand by 1	DEC ebx

Control Flow Instructions

Instruction	Description	Example
CALL	Call a function	CALL _functionName
RET	Return from a function	RET

Instruction	Description	Example
JMP	Unconditional jump to a location	JMP _label
JE	Jump if equal	JE _label
JNE	Jump if not equal	JNE _label
JG	Jump if greater	JG _label
JGE	Jump if greater or equal	JGE _label
JL	Jump if less	JL _label
JLE	Jump if less or equal	JLE _label

Comparison and Conditional Set Instructions

Instruction	Description	Example
CMP	Compare two operands	CMP eax, ebx

Miscellaneous Instruction

Instruction	Description	Example
NOP	No operation	NOP