Flag	Bit	Name
CF	0	Carry flag
PF	2	Parity flag
AF	4	Adjust flag
ZF	6	Zero flag
SF	7	Sign flag
OF	11	Overflow flag

Flag	Bit	Name
TF	8	Trap flag
IF	9	Interrupt enable flag
IOPL	12 and 13	I/O privilege level flag
NT	14	Nested task flag
RF	16	Resume flag
VM	17	Virtual-8086 mode flag
AC	18	Alignment check flag
VIF	19	Virtual interrupt flag
VIP	20	Virtual interrupt pending flag
ID	21	Identification flag

EFLAGS Bit	Name	Description
CF	Carry flag	A mathematical expression has created a carry or borrow
OF	Overflow flag	An integer value is either too large or too small
PF	Parity flag	The register contains corrupt data from a mathematical operation
SF	Sign flag	Indicates whether the result is negative or positive
ZF	Zero flag	The result of the mathematical operation is zero

Instruction Pair	Description	EFLAGS Condition
CMOVA/CMOVNBE	Above/not below or equal	(CF or ZF) = 0
CMOVAE/CMOVNB	Above or equal/not below	CF=0
CMOVNC	Not carry	CF=0
CMOVB/CMOVNAE	Below/not above or equal	CF=1
CMOVC	Carry	CF=1
CMOVBE/CMOVNA	Below or equal/not above	(CF or ZF) = 1
CMOVE/CMOVZ	Equal/zero	ZF=1
CMOVNE/CMOVNZ	Not equal/not zero	ZF=0
CMOVP/CMOVPE	Parity/parity even	PF=1
CMOVNP/CMOVPO	Not parity/parity odd	PF=0

Instruction Pair	Description	EFLAGS Condition
CMOVGE/CMOVNL	Greater or equal/not less	(SF xor OF)=0
CMOVL/CMOVNGE	Less/not greater or equal	(SF xor OF)=1
CMOVLE/CMOVNG	Less or equal/not greater	((SF xor OF) or ZF)=1
CMOVO	Overflow	OF=1
CMOVNO	Not overflow	OF=0
CMOVS	Sign (negative)	SF=1
CMOVNS	Not sign (non-negative)	SF=0

detail in Chapter 7