15)

$PC \leftarrow 500$

$EA \Rightarrow PC + SI/DI + offset$

$PC \leftarrow 500$

LOAD N_1 $AC \leftarrow N_1$

ADD N_2 $N_1 \leftarrow AC + AN_2$

ADD N_3

ADD N

14)

Real time example of Addressing Modes

↳ Relative addressing : Used with the help of Programing counter.

↳ Index addressing : Used with source Index [SI]
Destination Index [DI]

↳ Base Addressing register : Used with AX ⇒ Accumulator

BX ⇒ Base, CX ⇒ count.