



Immediate  
 Register  
 Direct memory  
 Register Indirect  
 Based  
 Indexed  
 Based Indexed  
 Based Indexed with Displacement  
 Relative  
 Implied  
 I/O (Direct and Indirect)  
 Stack  
 Far and Near  
 ...  
 what are we learning?

$[Address] \equiv Value$



Direct  $DS:[disp]$

Register Indirect  $\begin{cases} SS:[BP] \\ DS:[BX] \\ DS:[SI] \\ DS:[DI] \end{cases}$

Iterate over array/string

Based  $\begin{cases} SS:[BP + disp] \\ DS:[BX + disp] \end{cases}$   
 interpret as 2's complement

access data structure where BX

Indexed  $\begin{cases} DS:[SI + disp] \\ DS:[DI + disp] \end{cases}$   
 Also 2's complement

array/string operations

?

Based-Index-Relative