

Lab 3

- 2 - addressing mode in 8086 : displacement only
- base + displacement plus base, base plus indexed
 - displacement plus base plus indexed
- in 8051: Immediate
direct - Register - Indirect - Indexed

3) a) immediate

f) immediate

b) direct

g) Register

c) direct

h) Register

d) immediate

i) indirect

e) direct

j) Register

k) indirect

4) a) physical = $2000 \times 10 + 1000 = 21000H$

b) physical = $\overset{1234H}{1234} \times 10 + \overset{0100H}{0100} = 12440H$

c) physical = $\overset{1000H}{1000} \times 10 + \overset{0010H}{0010} = 10010H$

d) physical = $\overset{0100H}{0100} \times 10 + \overset{1234H}{1234} = 02234H$

5) a) Code segment

b) Data segment

c) Stack segment