

## Lab: Day:3

### practice programs

- (1) • model small  
• data

```
num1 db 00h, 03h, 42h, 98h  
num2 db 07h, 57h, 13h, 64h  
res db 4 dup(?)
```

• Code

```
mov ax, @data  
mov ds, ax
```

```
mov si, 03h
```

```
mov ds mov  
mov cl, 04h
```

```
clic
```

```
deciadd: mov al, num1[si]
```

```
adc cl, 04h
```

```
daa
```

```
mov res[si], al
```

```
dec si
```

```
loop deciadd
```

```
mov ah, 4ch
```

```
int 21h
```

```
end
```

(2)

- model small

- data

a db 10h, 20h, 30h, 40h, 50h

b db 11h, 22h, 33h, 44h, 55h

- Code

mov ax, @data

mov ds, ax

lea si, a

lea di, a

mov cl, 05h

back: mov al, [si]

xchg al, [di]

mov [si], al

inc si

inc di

loop back

mov ah, 4ch

int 21h

end