

.386

.model flat,stdcall

.stack 4096

ExitProcess proto,dwExitCode:dword

.data

shift dword 3

input byte 5,0ah,3,6,0ch

output byte

.code

main proc

;This loop will iterate length - shift times.

;(this loop will place the 'non-wrapped' values)

;Start reading from input at 0

;Start writing at shift

11:

;Move the value from input into al

;Move the value from al into output

;Increment the input index

;Increment the output index

loop 11

```
;This loop will iterate shift times  
;Start writing at index 0  
;Start reading at index length - shift.  
;(this loop will place the 'wrapped' values)
```

```
l2:
```

```
;Move the value from input into al  
;Move the value from al into output  
;Increment the input index  
;Increment the output index
```

```
loop l2
```

```
invoke ExitProcess, 0
```

```
main endp
```

```
end main
```