

Csci-112 Lab-16

```
.586
.MODEL FLAT
INCLUDE io.h
.STACK 4096

.DATA
outLbl BYTE "The modified string s", 0
string BYTE "ABCDEFGHJIJ", 0

.CODE
```

;Setup CODE 1

```
_MainProc PROC
    lea esi, string
    lea edi, string+5
    cld
    movsb
    movsb
    movsb
    movsb
    output outLbl, string
    mov eax, 0 ;exit with return code 0
    _MainProc ENDP
END
```

;OutPut: ABCDEABCDJ

```
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.STACK 4096

.DATA
outLbl BYTE "The modified string s", 0
string BYTE "ABCDEFGHJIJ", 0

.CODE
```

;Setup CODE 2

```
_MainProc PROC
    lea esi, string
    lea edi, string+2
    cld
    movsb
    movsb
    movsb
    movsb
    output outLbl, string
    mov eax, 0 ;exit with return code 0
    _MainProc ENDP
END
```

;OutPut: ABABABGHIJ

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```
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.DATA
outLb1 BYTE "The modified string s", 0
string BYTE "ABCDEFGHJIJ", 0

.CODE
```

;Setup CODE 3

```
_MainProc PROC
    lea esi, string+9
    lea edi, string+4
    std
    movsb
    movsb
    movsb
    movsb
    output outLb1, string
    mov eax, 0                                ;exit with return code 0
    _MainProc ENDP
END
```

;OutPut: AGHIJFGHIJ

```
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.MODEL FLAT
INCLUDE io.h
.STACK 4096

.DATA
outLb1 BYTE "The modified string s", 0
string BYTE "ABCDEFGHJIJ", 0

.CODE
```

;Setup CODE 4

```
_MainProc PROC
    lea esi, string+9
    lea edi, string+7
    std
    movsb
    movsb
    movsb
    movsb
    output outLb1, string
    mov eax, 0                                ;exit with return code 0
    _MainProc ENDP
END
```

;OutPut: ABCDIJJIJ