LAB-6

```
.mode small
.data
n dw 4
r dw 2
ncr dw 0


.code
mov cx, @data
mov ds, ax
mov ax, n
mov bx, r
call disp
jmp final


ncrpro proc near
        cmp ax, bx
        je res1
        cmp bx, 0
        je res1
        cmp bx, 1
        je resn
        push ax
        push bx
        call ncrpro
```

```
pop    bx
pop    ax
dec    bx
push   ax
push   bx
call   nexpro
ret


rest : inc ncr
ret


incr : inc ncr
ret


2 exe clr .

disp  proc  near
      mov  bx, ncr
      add  bx, 3030h
      mov  dl, bh
      mov  ah, 02h
      int  21h
      mov  dl, bl
      mov  ah, 02h
      int  21h
      ret
```

```
final : mov ah, 4ch
         int 21h
          end
```

```
C:\MASM>LAB4

ENTER A STRING: MADAM

ENTERED STRING IS PALINDROME
C:\MASM>MASM LAB6;;
Microsoft (R) Macro Assembler Version 5.00
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  51748 + 464796 Bytes symbol space free

      0 Warning Errors
      0 Severe  Errors

C:\MASM>LINK LAB6;;

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LINK : warning L4021: no stack segment

C:\MASM>LAB6
06
C:\MASM>
```