PALINDROME OR NOT  
  
   
  
data segment  
  
str db “Malayalam$”  
  
m1 db “the string is palindrome$”  
  
m2 db “the string is not palindrome$”  
  
data ends  
  
code segment  
  
assume cs:code,ds:data  
  
start:mov ax,data  
  
 mov ds,ax  
  
 mov bx,offset str  
  
 mov bp,bx  
  
l1:inc bp  
  
 cmp[bp],byte ptr ‘$’  
  
 jnz l1  
  
 Dec bpcCheck:mov ah,[bx]  
  
 cmp ah,[bp]  
  
 jJnz 12  
  
 inc bx  
  
 cmp[bx],byte ptr ‘$’  
  
 jnz check  
  
 mov dx,offset m2  
  
 mov ah,09h  
  
 int 21h  
  
 jmp last  
  
l2:mov dx,offset ,m2  
  
 mov ah,09h  
  
 Int 21h  
  
last:mov ah,4ch  
  
 int 21h  
  
code ends  
  
end start  
  
   
  
   
  
   
  
OUTPUT:  
  
INPUT:  
  
 Malayalam  
  
OUTPUT:  
  
 The string is palindrome