## CODE:

```
DISPLAY MAGEO HSG

LEA DX, MSG
LEA DX, MSG
LEA DX, MSG
NOV AH, 69H
INT 21H

MSG DB 60H, 60AH, "ENTER STRING :: $"

MSG DB 60H, 60AH, "ENTER STRING :: $"

MSG DB 60H, 60AH, "INPUT STRING IS PALINDROME STRING.$"

STRING DB 88H DUP(?)

STRING DB 88H DUP(?)

STRING DB 88H DUP(?)

AGAIN: MOV AX, 80ATA

NOV DS, AX
DISPLAY MSG
NOV SI, OFFSET STRING

MOV SI, OFFSET STRING

MOV SI, OFFSET STRING

MOV SI, OFFSET STRING

MOV SI, AL
INC SI
INC CL
JMP AGAIN

MOV (BI, AL
INC SI
INC CL
JMP AGAIN

MOV (BI, CL
MOV AI, GII
JMP AGAIN

MOV (BI, CL
MOV AI, GII
JMP AGAIN

MOV CH, CL
MOV OH, CL
MOV OH
MOV OH, CL
MOV OH
MOV
```

## **OUTPUT:**

```
C:\>masm PAL;;
Microsoft (R) Macro Assembler Version 5.10
Copyright (C) Microsoft Corp 1981, 1988. All rights reserved.

50044 + 459266 Bytes symbol space free

0 Warning Errors
0 Severe Errors

C:\>link PAL;;
Microsoft (R) Overlay Linker Version 3.64
Copyright (C) Microsoft Corp 1983-1988. All rights reserved.

LINK: warning L4021: no stack segment

C:\>PAL

ENTER STRING :: malayalam+_
```

```
ENTER STRING :: malayalam

REVERSE STRING :: malayalam
INPUT STRING IS PALINDROME.

C:\>PAL

ENTER STRING :: nitin

REVERSE STRING :: nitin
INPUT STRING IS PALINDROME.

C:\>mysore
Illegal command: mysore.

C:\>PAL

ENTER STRING :: mysore

REVERSE STRING :: mysore

REVERSE STRING :: mysore

REVERSE STRING :: crosym
INPUT STRING IS NOT A PALINDROME STRING.

C:\>_
```