SHIVANI GAMLOT IBMIGCS150	Date
PALINDROMA	
MODEL SMALL	
DISPLAY MACRO MSG	
LEA DX, MSG	
MOV AH, OGH	
INT 214	
ENDM	
DATA	
MSGI DB ODH, OAH, "ENTER STRING: \$"	
MSG2 DB ODM, OAH, "REVERSE STRING; \$"	
MSG3 DB ODH, OAH, "IT IS A PALINDROME.	\$11
MSGY DB ODH, OAH, "IT IS NOT A PALIND	ROME.\$"
STRING DB 804 DUP(?)	
RSTRING DB 80H DUP(?)	
, CoDE	
START: MOV AX, Q DATA	
MOV DS, AX	
DISPLAY MSGI	
MOV S1, OFFSET STRING	
XOR CL, CL	
AGAIN = MOV AH, OIH	
INT 21M	
CMP AL, ODM	
JE NEXT	
MOV [SI], AL	
INCSI	
INC CL	
JMP AGAIN NEXT: MOV[SI], BYTE PTR "\$"	
DEC, ST.	

	INC DE
	MOV CH, CL RSTRING
	MOV DI, OFFSET RSTRING
10000	MOV AL, [SI]
5 BACK	MOV [DI], AL
	DECSI
	INC DI
	DEC CH
10	- AAAV
	MOV [DI], BYTE PTR'\$'
	DISPLAY MSG Z
	DISPLAY RSTRING
	MOV SI, OFFSET STRING
15	MOV DT, OFFSET RSTRING
AG :	MOVAL, [SI]
	CMP AL, (DI)
	JNE FAIL
	INC SI
20	INC DI
	DEC CX
	JZ SUCCESS
	JMP AG
FAIL:	DISPLAY MSG4
25	JMP FINAL
Success:	
FINAL:	17011
	INT 2111
GND	