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Class:-S.E Computer
Roll No:-45
Batch:-B2
Experiment No:-8
Title:- PROGRAM FOR PASSWORD VERIFICATION.
Aim:-WRITE AN 8086 ASSEMBLY LANGUAGE PROGRAM FOR PASSWORD VERIFICATION.

```
DISPLAY MACRO MSG
    LEA DX,MSG
    MOV AH,09H
    INT 21H
```

ENDM

DATA SEGMENT

```
MSG1      DB 10,13, 'ENTER THE PASSWORD...:- $'
MSG2      DB 10,13, 'CORRECT PASSWORD...$'
MSG3      DB 10,13, 'WRONG PASSWORD!!PLEASE ENTER AGAIN..$'
TEMP      DB ?
PASSWORD DB 'DPP'
```

DATA ENDS

EXTRA SEGMENT

```
KBDIN DB 3 DUP(0)
```

EXTRA ENDS

CODE SEGMENT

```
ASSUME CS:CODE,DS:DATA,ES:EXTRA
```

```
MOV AX,DATA
MOV DS,AX
MOV AX,EXTRA
MOV ES,AX
```

```
N1: LEA DI,KBDIN
    MOV CX,03H
```

```
    DISPLAY MSG1
```

```
NEXT:MOV AH,07H
    INT 21H
    MOV TEMP,AL
    MOV DL,'*'
    MOV AH,02H
    INT 21H
    MOV AL,TEMP
    STOS KBDIN
```

```
    LOOP NEXT
```

```
    MOV CX,03H
```

```

        LEA SI,PASSWORD
        LEA DI,KBDIN

        REP CMPSB
        JNE ERROR

        DISPLAY MSG2
        JMP LAST

ERROR:DISPLAY MSG3
        JMP N1

        LAST:MOV AH,4CH
            INT 21H
CODE ENDS
END

OUTPUT:- ENTER THE PASSWORD...:- KPA

WRONG PASSWORD!!PLEASE ENTER AGAIN..$
ENTER THE PASSWORD...:- DPP
CORRECT PASSWORD...$

```