EX. NO: 17

DATE :

PRINTER STATUS

AIM:

    To determine the printer status.

APPARATUS REQUIRED:

S.NO	ITEM	SPECIFICATION
1	Microprocessor kit	8086
2	Power Supply	5V

PROGRAM:

```
XOR AX, AX

XOR BX, BX

  ; This divides my 3digit number by 100 giving me
 my, hundredth digit

MOV AX, RES

MOV BX, 100

DIV BX

; prints the hundredth digit

ADD AL, '0'

MOV DL, AL

PUSH AX; save AX on the stack

MOV AH, 02h

INT 21h
```

```
POP AX; restore ax


  ; divides the remainder by 10 giving me my tens
 digit

MOV BX, 10

DIV BX

  ; prints my tens digit

ADD AL, '0'

MOV DL, AL

PUSH AX; save AX on the stack

MOV AH, 02h

INT 21h

POP AX; restore ax

  ; print my last remainder which is my ones

ADD AH, '0'

MOV DL, AH

MOV AH, 02h

INT 21h
```

RESULT:

Thus the output for the Move a data block without overlap was executed successfully.