Name : Aditya Vinayak Patil
Roll No : 42

Experiment No. 10

Source code: DATA SEGMENT
FDATA DB 0DH,0AH,"-- -- -- 0F DF IF TF SF 2F-AF--PF--CF
$" NEW1 DB 0DH,0AH,"$" FLAG DW ?
DATA ENDS
CODE SEGMENT ASSUME
CS:CODE,DS:DATA START:
MOV AX,DATA
MOV DS,AX
MOV DX,OFFSET FDATA
MOV AH,09H
INT 21H
MOV DX,OFFSET NEW1
MOV AH,09H;
INT 21H
CLI
STC
STD ;
PUSHF;
POP BX;
MOV FLAG,BX ;
MOV CX,16;
MOV BX,8000H;
AGAIN: MOV AX,FLAG
AND AX,BX
JZ IFZERO ;
MOV DL,31H;
MOV AH,02H
INT 21H
JMP SPACE
IFZERO:MOV DL,30H;
MOV AH,02H
INT 21H
SPACE:MOV DL,"
MOV AH,02H
INT 21H
ROR BX,1;
LOOP AGAIN;
MOV AH,4CH;

INT 21H
CODE ENDS END
START

Output:

```
C:\8086>tasm exp10.asm
Turbo Assembler  Version 2.5  Copyright (c) 1988, 1991 Borland International

Assembling file:    exp10.asm
Error messages:     None
Warning messages:   None
Passes:             1
Remaining memory:   490k


C:\8086>tlink exp10

Microsoft (R) Overlay Linker   Version 3.60
Copyright (C) Microsoft Corp 1983-1987.  All rights reserved.

Run File [EXP10.EXE]:
List File [NUL.MAP]:
Libraries [.LIB]:
LINK : warning L4021: no stack segment

C:\8086>exp10

-- -- -- OF DF IF TF SF 2F-AF--PF--CF
0 1 1 1 0 1 0 0 0 0 0 0 0 0 1 1
C:\8086>_
```