

Ahsanullah University of Science & Technology

Department of Computer Science & Engineering

Course No : CSE3108

Course Title : Microprocessors Sessional

Assignment No : 07

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Submitted By-

Group $: A_2$

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Section : A

DSEG GEGMENT IDATA,

DM DB 00001000b, 00000100b, 00000100b, 00000100b, 000010100b, 000 10100b, 000 10100b,

CID DB 00100000b, 00110000b, 00110010b,00110100

Oco 10000 b, 00000000 b,0000000 b,000000 0 00b

Clear_SSD DB 00110110b,00110010b,00110000}

DSECT ENDS SSECT SECTMENT STACK 'STACK' DW 1000H DUP(?)

CSECT ENDS

CSECT. SECHMENT (CODE)

START PROC FAR

PUSH DS MOV AX, O PUSH AX

MOY AX, DSECT MON DS, AX MON ES, AX Mo√ BX, O LOOP_1: MOY DX, 2000 H ADD DX, SI MOV AL, DM[5]] OUT DX, AL ; LED MON DX, 2070h mor AL, oth OUT DX, AL , SSD MOV. DX, 2030 h MON AL, GED[S]] OUT DX, AL INC SI COAP GI, 5 LOOPME LOOP_1 MON DX 2009h

```
LOOP2'.
   MOV AL, DM[到
   DEC DX
  OUT DX, AL
  INC SI
  CMP 51,8
  LOOPNE LOOP_L
  MOV 5], 0
LOOP_ 3:
   MOV DX 2000 H
   ADD Dx, 91
  MON AL, Chean_DM[5]]
  OUT
        DX, AL
  mov Dx, 2030 h
  MON Chear - SSD . [S]]
   OUT DX, AL
   mor Dx, 2000
   mor AL, ooh
  OUT DX, AZ
   INC SI
  CAMP SI,5
  LOOPNE LOOPS
```

MOV Dx, 20094 LOOP- 4: MOV AL, Chear _ DM [9]] DEC DX OUT DX, AL INC 91 CMP 51,8 LOOPHE LOOP- 4 mor 87,0 INC BX CMP BX,5 LOOPHE LOOP_1

PET
START ENDP
CSECT ENDS
ENDS
END START