Ahsanullah University Of Science
and Technology

Department of CSE

Course No - CSE 3108

Course Title - Microprocessor Sessional

Lab Final

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17.01.04.001
Section: A
Group: - A2

```
DSEG    SEGMENT 'DATA'
DSEG    ENDS.

*    *    *    *    *    *

    PUSH    DS
    MOV     AX, O
    PUSH    AX

; set Man-egment Register.

    MOV     AX, DSEG
    MOV
            DS    , AX
    MOV
            ES,    AX

; Minhajul Islam  =>  M

MOV  DX , 2000 H
MOV  AL , 01 H
OUT  DX,  AL

MOV  DX, 2000H

MOV  AL , 03 H
OUT  DX,  AL
```

①

```
MOV    DX , 2000 H
MOV    AL , 07H
OUT    DX , AL

MOV    DX , 2000H

MOV    AL , OFH

OUT    DX , AL

MOV    DX   2000 H
MOV    AL , 01FH
OUT    DX , AL

MOV    DX , 2000 H
MOV    AL , 03FH
OUT    DX , AL

MOV
       DX , 2001 H
MOV    AL , 02 H
OUT    DX , AL

MOV    DX   2002 H
MOV    AL , 04H
OUT    DX , AL
```

```
MOV     DX , 1003 H
MOV     AL , 02 H
OUT     DX , AL

MOV     DX , 2004 H
MOV     AL , 01 H
OUT     DX , AL

MOV     DX , 2004
MOV     AL , 03 H
OUT     DX , AL

MOV     DX , 2004
MOV     AL OFH
OUT     DX , AL

MOV     DX , 2004
MOV     AL , 01 FH
OUT     DX , AL

MOV     DX , 2004
MOV     AL , 07 FH
OUT     DX , AL
```

;4

```
MOV    DX , 2008H
MOV    AL ,   01H
OUT    DX ,   AL
MOV    DX , 2008H
MOV    AL   03H
OUT    DX ,  AL
MOV    DX , 2008H
OUT    D
MOV    AL ,  07H
MO
OUT    DX ,  AL

MOV    DX , 2008H
MOV    AL ,  0FH
OUT    DX , AL
MOV    DX , 2007H
MOV    AL ,    03FH
OUT    DX , AL
MOV    DX , 2006H
MOV    AL ,  04H
OUT    DX , AL
```

④

```
MOV    DX, 2006
MOV    AL, 04H
OUT    DX, AL

MOV    DX, 2005
MOV    AL, 08H

OUT    DX, AL

MOV    DX, 2006
MOV    AL, 0CH
OUT    DX, AL

MOV    DX, 2002
MOV    AL, 0AH.
OUT    DX, AL.

MOV    DX, 2009
MOV    AL, 0204
OUT    DX, AL.
```

```
    RET
STDRT  END.

DELAY:.

   MOVe AX, 0

   LOOP1:

     INC AX

     CPM  AX

     JNE   LOOP1

   RET.

 asECR   ENDS.

         END  START
```