

## **Ahsanullah University of Science & Technology**

## **Department of Computer Science & Engineering**

Course No : CSE3108

Course Title : Microprocessors Sessional

Assignment No : 06

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**Submitted By-**

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Section : A

Accignments.

DSEG SEGMENT (DATH)

Dots DB 00001000 b, 0000 0100 b, 000000 10b,
0000 0001 b, 0000000 b, 00000 001b,
0000 1000 b, 0000 0 b, 00100 0 100 b,
0000 1000 b, 00100 0 b, 00100 0 100 b,
01000001 0 b, 01000 10 b, 01000 100 b,
01000001 b, 00 100010 b, 000 10100 b

DSEG. ENDS.

45EG. SEGMENT STACK (STACK)

DW 100h DUP(?)

SSECT ENDS

CSECT SECOMENT (CODE)

START PROC FAR

PUSH DS

MON AXYO

PUSH AX

MON AX, DSECR

MON DS, AX

mor E>,AX

MON DX, 2000h

MOY BX, O

MOV 51,0

MON AL, Dots [BX] [5]]

OUT DX, AL

```
MON DX, 2001 n
MOY BX, O
mov 51,1
 MON AL, Dots [BX] [3]]
 OUT DX, AL
 MOV DX, 2002 h
 MO~ BX, O
  MON 41,2
 MOV AL, Dols [BX] [51]
  OUT DX, AL
  MOV DX, 20034
 Mor Bx, O
 MOV 51, 3
 MOV AL, Dots [BX] [5]]
 OUT
     Dx, AL
 MOY
       DX , 2004 4
 mon Bx, O
 mor 41,4
 MOY BL, Dols [BX] [SI]
 OUT
        DX, AL
```

A

MOV DX, 2005h MOV BX, O B10+1 51,5 mor MON AL, Dots CBXI [51] OUT DX, AL Mor DX, 2006h BX, O mov mov 41, 5 mon AL, Dots [BX] [SI] DX, AL DUT mor Dx, 2007 h ВX , О M 07 Mov 51, 7 AL, Dots [BX] [5]] MOY DX, AL OUT Dx, 2008 h MON mor Bx, 0 ST, 8 MON AL, Dots (BX) [51] MO ~ DX, AL OUT

DX, 2009 h MOV MOV BX , O mov 51, 9 MOV AL, Dols [BX] [5]] OUT DX, AL Mor Dx, 2008h MOV BX, O MOY 41, 10 MON AL, DOLL CBX] [5]] OUT DX, AL mor Dx, 2007h mor Bx, 0 MOY 3I, 11 MOV AL, Dots [BX] [5]] OUT DX, AL MOV DX, 20064 MOY BX, O mov 51,12 MOV AL, Dots [BX] [5] OUT BX, AL

```
MON DX, 2005 h
MOV BX, O
MON 51, 13
MON AL, Dots [BX] [31]
OUT DX, AL
mov Dx, 2009 h
mov Bx, O
mov 31, 14
MOV AL, Dots [BX] [3]
OUT DX, AL
mov 0x, 2003 h
mor Bx, O
MOV 51,15
mor AL, Dots [6x] [51]
   D×, カレ
MOV Dx , 2002h
mov Bx, O
mo V SI, 16
MOY AL, Dots [BX] [3]
    Dx , BL
OUT
```

```
mor Dx, 2001h
mo^{\gamma} B^{\chi}, o
MOV 41, 17
MOV AL, Dots [BX] [51]
OUT DX, AL
MOV DX, 2070h
 MON AL, 0001; 21 turn on
 OUT DX , AL
 PET
START BADA
CSECT ENDS
END START.
```