

Name: Simran Dilip Yelave.

Lab : Mpl

Batch : S23

Roll no : 128

Aim:

To Study Proteus Simulation using 7 Segment Display

Code:

DATA SEGMENT

PORTA EQU

00H PORTB

EQU 02H

PORTC EQU

04H

PORT_CON EQU

06H DATA ENDS

CODE

SEGMENT

MOV AX,

DATA MOV

DS, AX

ORG

0000H

START:

MOV DX, PORT_CON

MOV AL,

10000000B OUT

DX, AL

MOV SI, 0

MOV DI, 0

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```
LO: MOV CX,  
1FFFHL1: MOV  
AL, S1[SI] MOV  
DX, PORTA  
OUT DX,  
ALLOOP  
L1
```

```
INC SI  
CMP SI,  
16JL LO
```

```
MOV      DX,  
PORT_CON MOV  
AL, 10000000B  
OUT DX, AL
```

```
LLO:MOV CX, 2FFFH  
LL1:MOV AL,  
S2[DI]MOV DX,  
PORTC
```

```
OUT DX,  
AL  
LOOP  
LL1
```

```
INC DI
```

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CMP DI,

JL

LLO

JMP

START

ORG

1000H

S1 DB 11000000B

DB

11111001B

DB

10100100B

DB

10110000B

DB

10011001B

DB

10010010B

DB

10000010B

DB

11011000B

DB

10000000B

DB

10010000B

DB

10001000B

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DB

10000011B

DB

11000110B

DB

10100001B

DB

10000110B

DB

10001110B

S2 DB

1101B

DB

1011B

DB

0111B

DB

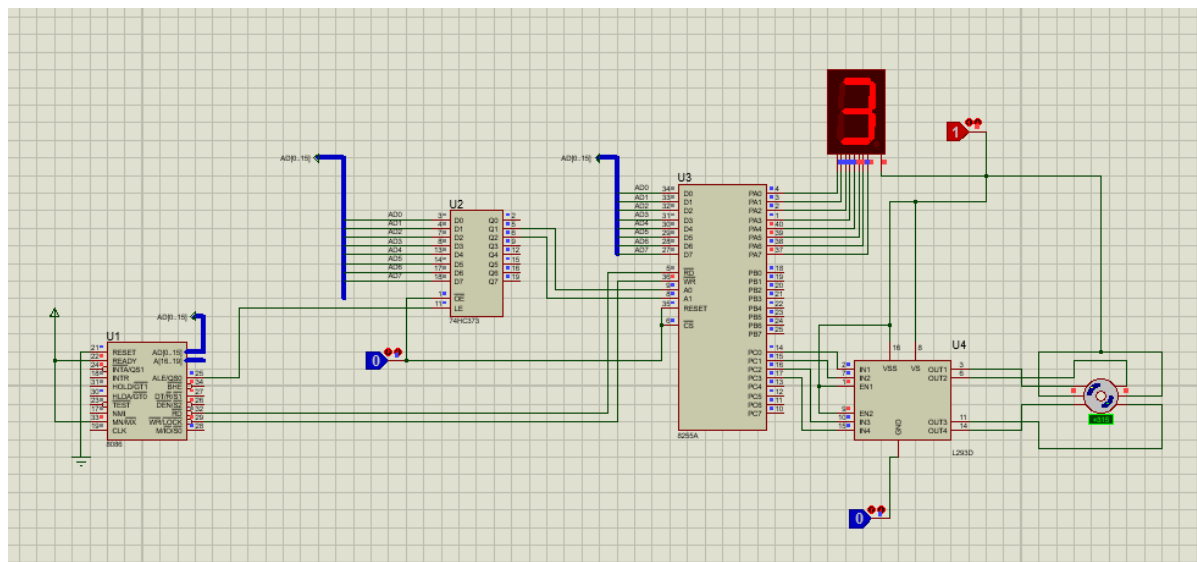
1110B

CODEEND

SEND

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Output:



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