

FR. Conceicao Rodrigues College of Engineering
Department of Computer Engineering

lab 10

1. Course, Subject & Experiment Details

Academic Year	2023-24	Estimated Time	Experiment No. 1– 02 Hours
Course & Semester	S.E. (Comps) – Sem. IV	Subject Name	Microprocessor
Chapter No.	-	Chapter Title	-
Experiment Type	Software & Hardware	Subject Code	CSC405

Rubrics

Timeline (2)	Practical Skill & Applied Knowledge (2)	Output (3)	Postlab (3)	Total (10)	Sign

Dynalog India Ltd.

Dyna-86>R

AX=0000 BX=0000 CX=0000 DX=0000 SP=06FF BP=0000 SI=0000

DI=0000 CS=0000 DS=0000 SS=0000 ES=0000 IP=0700 FL=0000

Dyna-86>AX. . . .

0000:1011

Dyna-86>A 1000

0000:1000

Dyna-86>

Dyna-86>A 1000

0000:1000 MOV AX, 55

0000:1003 MOV BX,55

Prepared by : Prof. Heenakausar Pendhari

0000:1006 ADD AX, BX
0000:1008 INT 3
0000:1009
Dyna-86>G 1000

Break at FFFF:1009

Dyna-86>R
AX=00AA BX=0055 CX=0000 DX=0000 SP=06FD BP=0000 SI=0000
DI=0000 CS=FFFF DS=0000 SS=0000 ES=0000 IP=1009 FL=F006 Dyna-
86>A 1000
0000:1000 MOV AX,F0

0000:1003
Dyna-86>A 1000
0000:1000 MOV AX,F0\ .

0000:1003
Dyna-86>A 1000
0000:1000 MOV AX,F0
0000:1003 MOV BX,AA
0000:1006 SUB AX,BX
0000:1008 INT 3
0000:1009
Dyna-86>G1000

Break at FFFF:1009

Dyna-86>R
AX=0046 BX=00AA CX=0000 DX=0000 SP=06FB BP=0000 SI=0000
DI=0000 CS=FFFF DS=0000 SS=0000 ES=0000 IP=1009 FL=F012 Dyna-
86>A 1000
0000:1000 MOV AX,02
0000:1003 MOV BX,05
0000:1006 MUL BX
0000:1008 INT 3
0000:1009
Dyna-86>G 1000

Break at FFFF:1009

Dyna-86>
Dyna-86>R
AX=000A BX=0005 CX=0000 DX=0000 SP=06F9 BP=0000 SI=0000
DI=0000 CS=FFFF DS=0000 SS=0000 ES=0000 IP=1009 FL=F046
Dyna-86>A 1200
0000:1200 MOV AX,FE
0000:1203 MOV BX,02
0000:1206 DIV BX

0000:1208 INT 03

0000:1209

Dyna-86>G1200

Break at FFFF:1209

Dyna-86>

Dyna-86>R

AX=007F BX=0002 CX=0000 DX=0000 SP=06F7 BP=0000 SI=0000
DI=0000 CS=FFFF DS=0000 SS=0000 ES=0000 IP=1209 FL=F047

Dyna-86>A 1000

0000:1000 MOV AX,0F

0000:1003 MOV BX,F0

0000:1006 OR AX,BX

0000:1008 INT 3

0000:1009

Dyna-86>G 1000

Break at FFFF:1009

Dyna-86>R

AX=00FF BX=00F0 CX=0000 DX=0000 SP=06F5 BP=0000 SI=0000
DI=0000 CS=FFFF DS=0000 SS=0000 ES=0000 IP=1009 FL=F006

Dyna-86>A 1000

0000:1000 MOC. .V A

Error ! Invalid operand or Addressing mode

0000:1000

Dyna-86>A 1000

0000:1000 MOV AX,55

0000:1003 MOV BX,AA

0000:1006 AND AX,BX

0000:1008 INT 3

0000:1009

Dyna-86>G1000

Break at FFFF:1009

Dyna-86>R

AX=0000 BX=00AA CX=0000 DX=0000 SP=06F3 BP=0000 SI=0000
DI=0000 CS=FFFF DS=0000 SS=0000 ES=0000 IP=1009 FL=F046

Dyna-86>A1. .

0000:1009

Dyna-86>A 1000

0000:1000 MOV AX, 03

0000:1003 MOV BX,05

0000:1006 XOR AX,BX

0000:1008 INT 3

0000:1009

Dyna-86>G 1000

Break at FFFF:1009

Dyna-86>R

AX=0006 BX=0005 CX=0000 DX=0000 SP=06F1 BP=0000 SI=0000

DI=0000 CS=FFFF DS=0000 SS=0000 ES=0000 IP=1009 FL=F006

Dyna-86>

Dyna-86>

Dyna-86>A 1000

0000:1000 MOV AX,55

0000:1003 NOT AX

0000:1005 INT 03

0000:1006

Dyna-86>G 1000

Break at FFFF:1006

Dyna-86>R

AX=FFAA BX=0005 CX=0000 DX=0000 SP=06EF BP=0000 SI=0000

DI=0000 CS=FFFF DS=0000 SS=0000 ES=0000 IP=1006 FL=F006 Dyna-

86>A 1000

0000:1000 MOV AX, FF

0000:1003 MOV BX, 00

0000:1006 INC BX

0000:1007 DEC AX

0000:1008 JNZ 1006

0000:100A INT 3

0000:100B

Dyna-86>G 1000

Break at FFFF:100B

Dyna-86>R

AX=0000 BX=00FF CX=0000 DX=0000 SP=06ED BP=0000 SI=0000

DI=0000 CS=FFFF DS=0000 SS=0000 ES=0000 IP=100B FL=F046

Dyna-86>A 1000

0000:1000 MOV AX,80

0000:1003 OUT 33,AX

0000:1005 MOV AX,55

0000:1008 OUT 30,AX

0000:100A MOV AX,AA

0000:100D OUT 31,AX

0000:100F MOV AX,0F

0000:1012 OUT 32,AX

0000:1014 INT 3

0000:1015

Dyna-86>G 1000

Break at FFFF:1015

Dyna-86>A 1000

0000:1000 MOV AX,80

0000:1003

Dyna-86>A 1000

0000:1000 MOV AX,80

0000:1003 OUT 33,AX

0000:1005

Dyna-86>

Dyna-86>A 1000

0000:1000 MOV AX,80

0000:1003 OUT 33,AX

0000:1005 MOV AX,57

0000:1008 OUT 30,AX

0000:100A MOV AX,BB

0000:100D OUT 31,AX

0000:100F

Dyna-86>A 1000

0000:1000 MOV AX,80

0000:1003 OUT 33,AX

0000:1005 MOV AX,56

0000:1008 OUT 30,AX

0000:100A MOV AX,1C

0000:100D OUT 31,AX

0000:100F MOV AX,FF

0000:1012 OUT 32,AX

0000:1014 INT 3

0000:1015

Dyna-86>G1000

Break at FFFF:1015

Dyna-86>