



Department of Computer Engineering
K. K. Wagh Institute of Engineering Education and Research
Hirabai Haridas Vidyantagari, Amrut Dham, Panchavati, Nashik-422003

Academic Year:2017-18

Semester: II

Course Name: Microprocessor Lab

Class: SE

Division: A & B

Name of the Faculty: N.M.Pagare & M. P. Mahajan

Name of Method: Debug Activity

Description: The debug activity was conducted for Microprocessor Lab, where students were given small code snippets to debug and find the logical or syntactical errors and statements missing in the code.



K. K. WAGH INSTITUTE OF ENGINEERING EDUCATION & RESEARCH, NASHIK.

DEPARTMENT OF COMPUTER ENGINEERING

Academic Year: 2017 – 2018

Semester: II

Class: SE

Div: A

Course: Microprocessor lab

Course code: 210257

Roll No: 18

What will output after executing following code?

CONVERT_PROCEDURE:

MOV RSI,NUM

MOV AL,[RSI]

CMP AL,39H

~~JGE L1~~ - JLE L1

SUB AL,07H

L1: SUB AL,30H

ROL AL,4

MOV BL,AL

INC RSI

MOV AL,[RSI]

~~ROL AL,4~~

CMP AL,39H

JLE L2

SUB AL,07H

L2: SUB AL,30H

ADD AL,BL

RET

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Roll No: 45

MOV AX,1234H

MOV BX,4567H

XCHG

What will be the contents of AX and BX after XCHG?

AX = 4567H

BX = 1234H

INC SI

INC SI

INC SI

Which is alternative instruction for above code?

add SI, 3

Scanned by CamScanner

Impact of Innovative Method:

It helped students to improve their basics of assembly language programming.

Note: For feedback please email us at njmetkar@kkwagh.edu.in