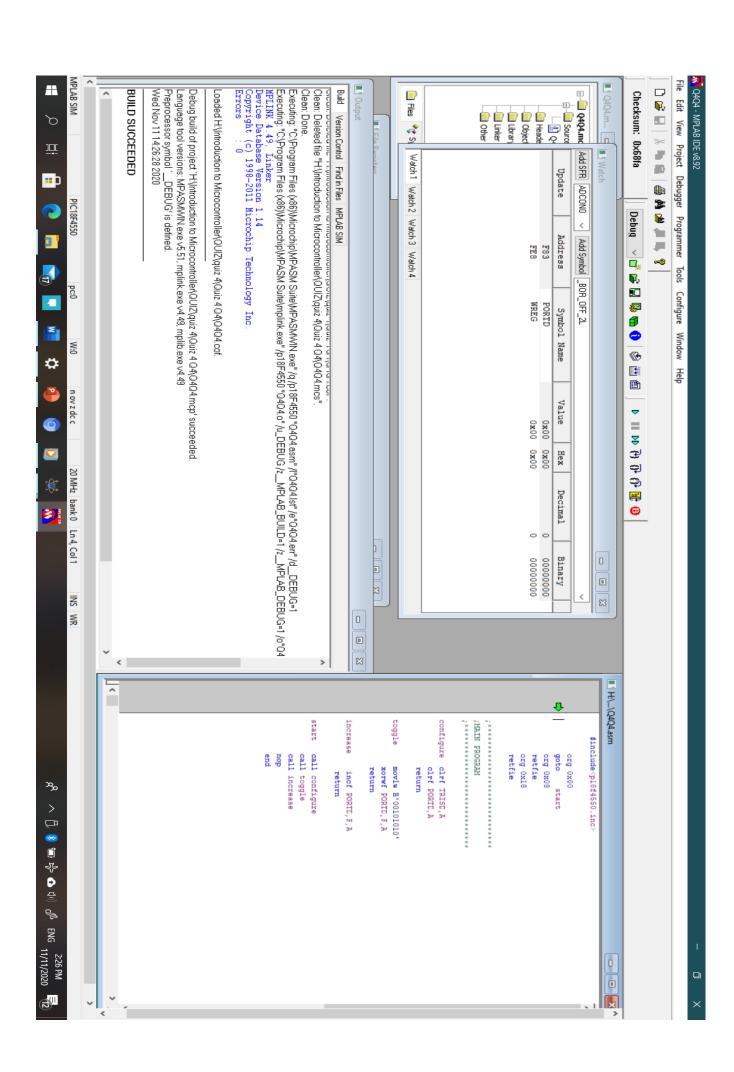NAME: MUHAMMAD 'ATIQULHAKIM BIN MOHD RAMLI

STUDENT ID: DE96562

SUBJECT: EEED253 (INTRODUCTION TO MICROCONTROLLER)

SECTION: 01T

LECTURE NAME: DICKSON NEOH TZE HOW, MR.

TITTLE: QUIZ 4 LOGIC OPERATOR

MPLAB SIM

Q4Q4 - MPLAB IDE v8.92

File   Edit   View   Project   Debugger   Programmer   Tools   Configure   Window   Help

Debug

Checksum: 0x68fa

Output

Build   Version Control   Find in Files   MPLAB SIM

Clean: Deleted file "H:\Introduction to Microcontroller\QUIZ\quiz 4\Quiz 4 Q4\Q4Q4.mcs".
Clean: Done.
Executing: "C:\Program Files (x86)\Microchip\MPASM Suite\MPASMWIN.exe" /q /p18F4550 "Q4Q4.asm" /l"Q4Q4.lst" /e"Q4Q4.err" /d__DEBUG=1
Executing: "C:\Program Files (x86)\Microchip\MPASM Suite\mplink.exe" /p18F4550 "Q4Q4.o" /u_DEBUG /z__MPLAB_BUILD=1 /z__MPLAB_DEBUG=1 /o"Q4
MPLINK 4.49, Linker
Device Database Version 1.14
Copyright (c) 1998-2011 Microchip Technology Inc.
Errors   : 0

Loaded H:\Introduction to Microcontroller\QUIZ\quiz 4\Q4\Q4Q4.cof.

Debug build of project 'H:\Introduction to Microcontroller\QUIZ\quiz 4\Quiz 4 Q4\Q4Q4.mcp' succeeded.
Language tool versions: MPASMWIN.exe v5.51, mplink.exe v4.49, mplib.exe v4.49
Preprocessor symbol `__DEBUG' is defined.
Wed Nov 11 14:26:28 2020

BUILD SUCCEEDED

H:\...\Q4Q4.asm

```
#include<p18f4550.inc>

            org 0x00
            goto start
            org 0x08
            retfie
            org 0x18
            retfie

;*******************************************
;MAIN PROGRAM
;*******************************************

configure   clrf TRISD,A
            clrf PORTD,A
            return

toggle      movlw B'00101010'
            xorwf PORTD,F,A
            return

increase    incf PORTD,F,A
            return

start       call configure
            call toggle
            call increase
            nop
            end
```

MPLAB SIM   PIC18F4550   pc:0   W:0   n ov z dc c   20 MHz   bank 0   Ln 4, Col 1   INS   WR

2:26 PM   ENG   11/11/2020

```
                    #include<p18f4550.inc>


                    org     0x00
                    goto    start
                    org     0x08
                    retfie
                    org     0x18
                    retfie


;****************************
;MAIN PROGRAM
;****************************


configure  clrf TRISD,A
                    clrf PORTD,A
                        return


toggle      movlw B'00101010'
                    xorwf PORTD,F,A
                        return


increase          incf PORTD,F,A
                            return


start     call configure
                    call toggle
                    call increase
                    nop
                    end
```