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ADNAN MENDERES UNIVERSITY
Faculty of Engineering
Electrical and Electronics Engineering

EE312 MICROPROCESSORS LABORATORY

EXP 2: Adressing Mods, Read and Write Data.

Laboratory Work:

1. Place the decimal number 27 into the R7 register. What would the contents of that register be after execution?

2. Place the binary number 10010110 into the R1 register. What would the contents of that register be after execution? Why?

3. a. Place the 0f4h into 00h by using Immediate Addressing

b. Place the 0f5h into 01h by using Indirect Addressing

c. Place the 00f6h into 02h by using Direct Addressing (use the 07h register to transfer data)

4. What do below codes do? Run the codes and explain their functions clearly

a)	b)	c)

ORG 000H
MOV 05h, #0e4h
mov a, 05h
END
	ORG 000H
	MOV r5, #0e4h
	mov a, 05h
	END
		ORG 000H
		MOV r5, #0e4h
		mov a, r5
		END

5. Write the code that reads the data from p1 port and writes to the 05h address.