

Name : Tulsi Andhare Roll no E3414 EXP NO 1 ext-ext

ORG 00H

MOV R0,#0AH

MOV R1,#00H

MOV R2,#50H

MOV DPTR ,#0100H

JUMP: MOVX A,@DPTR

PUSH DPL

PUSH DPH

MOV DPL,R1

MOV DPH,R2

MOVX@DPTR,A

POP DPH

POP DPL

INC R1

INC DPTR

DJNZ R0,JUMP

END

The screenshot shows the µVision IDE interface with the following details:

- File Menu:** File, Edit, View, Project, Flash, Debug, Peripherals, Tools, SVCS, Window, Help.
- Toolbar:** Includes icons for Open, Save, Run, Stop, Break, and various simulation and memory dump tools.
- Registers Window:** Shows the state of registers R0 through R7 and system registers like SP, PC, and PSW. All values are currently 0x000.
- Memory Window:** Two panes labeled Memory 1 and Memory 2. Both panes show memory starting at address X:0x00000000 with hex values from 34 to 00.
- Assembly Window:** Displays the assembly code for the program:

```
4 MOV R2,$50H
5 MOV DPTR ,#0100H
6 JUMP: MOVX A,@DPTR
7 PUSH DPL
8 PUSH DPH
9 MOV DPL,R1
10 MOV DPH,R2
11 MOVX@DPTR,A
12 POP DPH
13 POP DPL
14 INC R1
15 INC DPTR
16 DJNZ R0,JUMP
17 END
```
- Command Window:** Shows the command line interface with the following output:

```
Running with Code Size Limit: 2K
Load "D:\Objects\MCAL_practicals"
*** error 65: access violation at C:001B : no 'execute/read' permission
```
- Taskbar:** Shows the Windows taskbar with various application icons and the system tray indicating network and battery status.