

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

ORG 00H

MOV R0,#30H

MOV R2,#0AH

MOV DPTR ,#0100H

JUMP: MOVX A,@DPTR

MOV @R0, A

INC R0

INC DPTR

DJNZ R2,JUMP

END

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

- File Menu:** File, Edit, View, Project, Flash, Debug, Peripherals, Tools, SVCS, Window, Help.
- Toolbar:** Includes icons for RST, Run, Stop, Break, Step, and various simulation and memory access tools.
- Registers Window:** Shows the state of CPU registers (r0-r7, Sys, PC \$, states, sec, psw) at address 0x0100H. The assembly code is also visible in the background of this window.
- Memory Windows:** Two windows labeled "Memory 1" and "Memory 2". Memory 1 shows the initial state of memory from 0x0000100 to 0x0000129. Memory 2 shows the memory starting at address 0x30H, which contains the assembled code.
- Assembly Editor:** The main editor window titled "expnotint.asm" contains the following assembly code:

```
1 ORG 00H
2 MOV R0,#30H
3 MOV R2,#0AH
4 MOV DPTR ,#0100H
5 JUMP: MOVX A,@DPTR
6 MOV @R0, A
7 INC R0
8 INC DPTR
9 DJNZ R2,JUMP
10 END
```
- Command Window:** Displays 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:0x000D : no 'execute/read' permission
```
- System Taskbar:** Shows the Windows taskbar with various pinned applications like File Explorer, Google Chrome, and Microsoft Word.