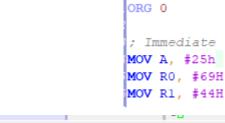
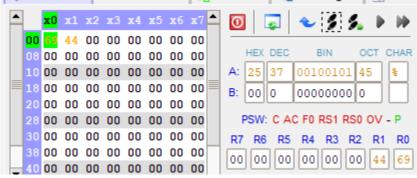
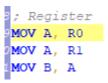
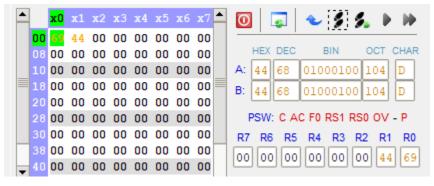
1.) Perform 3 examples in each of the addressing modes in MCU 8051 IDE

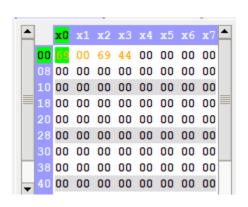




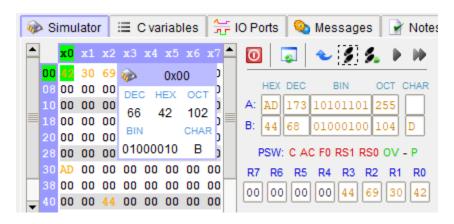




```
; Direct
MOV 02H, 00H
MOV 03H, 01H
MOV 01H, 05H
```



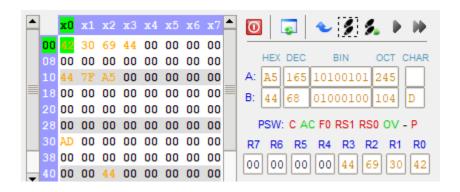
```
; Indirect
MOV R1, #30H
MOV 30H, #69H
XCH A, @R1
MOV R0, #42H
MOV 42H, #44H
ADD A, @R0
MOV @R1, A
```



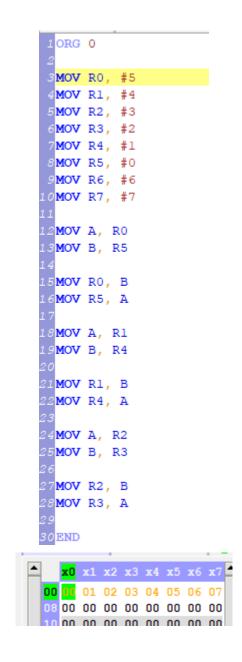
```
MOV A, #5
MOVC A, @A+DPTR
MOV 10H, A

ADD A, #6
MOVC A, @A+DPTR
MOVC A, @A+DPTR
MOV 11H, A

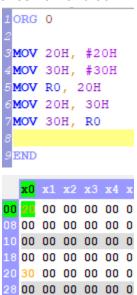
ADD A, #3
MOVC A, @A+DPTR
MOVC A, @A+DPTR
```



2.) Initialize your values in registers R0 to R7 with different values, then sort manually using the mov instruction and store it in the R0 to R7 registers.



3.) Swap two values in the data memories 20H and 30H.



30 <mark>20</mark> 00 00 00 00 0 38 00 00 00 00 00 0