EXPERIMENT 6 HEX TO ASCII

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Value

Oxff

0x32 0x35

0x35

0x00

0x00

0x00

0x00

0x35 0x05

0x07

0x07

0x00000

C:0x001

0.00001

0x00

r5

г6

r7

sp_max

dptr

PC \$

states

sec

Code:

```
ascii.asm
 1; HEX TO ASCII convertion
2
          MOV RO, #OFFH ; value to be coverted
3
          MOV A , RO
                      ; store the value in A
 4
              B , #64H ; to be divided for MSB
          MOV
          DIV
               AB
 5
                         ; divide for 100th place
          ADD
               A , #30H ; convert to ascii
               R1, A
          MOV
                         ; store MSB in R1
 8
               A , B
          MOV
                         ; load A with remainder
9
          MOV
               B , #OAH ; 10 is the divider
10
          DIV
                         ; divide for tenth place
11
          ADD
               A , #30H ; convert to ascii
               R2, A
12
          MOV
                         ; store in R2
13
          MOV
              A , B
14
          ADD A , #30H ; convert to ascii
              R3, A
15
          MOV
                        ; store in R2
          MOV PO, R1
16
                        ; show results in ports
17
          MOV P1, R2
          MOV P2, R3
18
19
          END
                         ; result in R1 and R2
20
                                                        Register
```

Output:



