|  |  |
| --- | --- |
| Write an assembly language code in GNUsim8085 to find the factorial of a number. | |
| lxi sp,27ffh  lda var2  cpi 02h  jc last  mvi d,00h  mov e,a  dcr a  mov c,a  call facto  xchg  shld var  jmp end  last: lxi h,0001h  end: shld var  hlt  facto: lxi h,0000h  mov b,c  back: dad d  dcr b  jnz back  xchg  dcr c  cnz facto  ret  var: db 00h  var2: db 03h ; input the number 3 here, donot give number more than 5 | |