struct user :
   char [32]   name
   uint   id

printer = 48 bytes
user   = 48 bytes

00031 = 48 bytes

printer
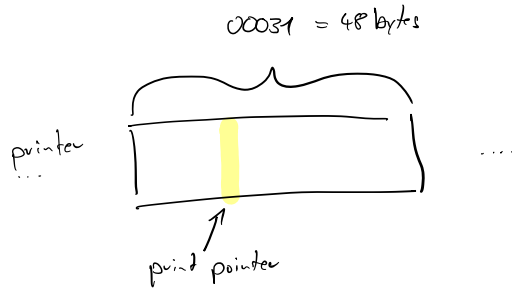
print pointer

↓ free printer heap space
  create user (same size 48 bytes
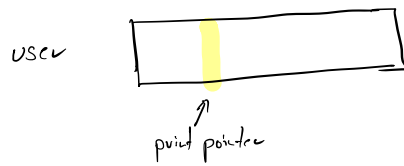
user

the yellow marker is
now the name of the user => system_addr

print pointer

↑
print function invoces pointer   => parameter for print is /bin/sh