Virtual Memory

COMPUTER SYSTEM

CPU

RAM

CHROME.EXE PROCESS

INSTRUCTION 1
INSTRUCTION 2
INSTRUCTION 3

HARD DISK

CHROME.EXE PROGRAM ON DISK

INSTRUCTION 1
INSTRUCTION 2
INSTRUCTION 3

Virtual Memory Given to the Process By OS

Actual RAM Available

P
R
O
C
E
S
S

4
GB

1
GB

PROCESS 1 — 4 GB

PROCESS 2 — 4 GB

PROCESS 3 — 4 GB

Actual RAM Available — 1 GB

PROCESS1 VIRTUAL MEMORY

PAGE1

PAGE2

PHYSICAL MEMORY

PAGE1   FRAME1

PAGE1   FRAME2

HARD DISK

PAGE2

PROCESS2 VIRTUAL MEMORY

PAGE1