processes

kernel

hardware

(a)

processes

processes

processes
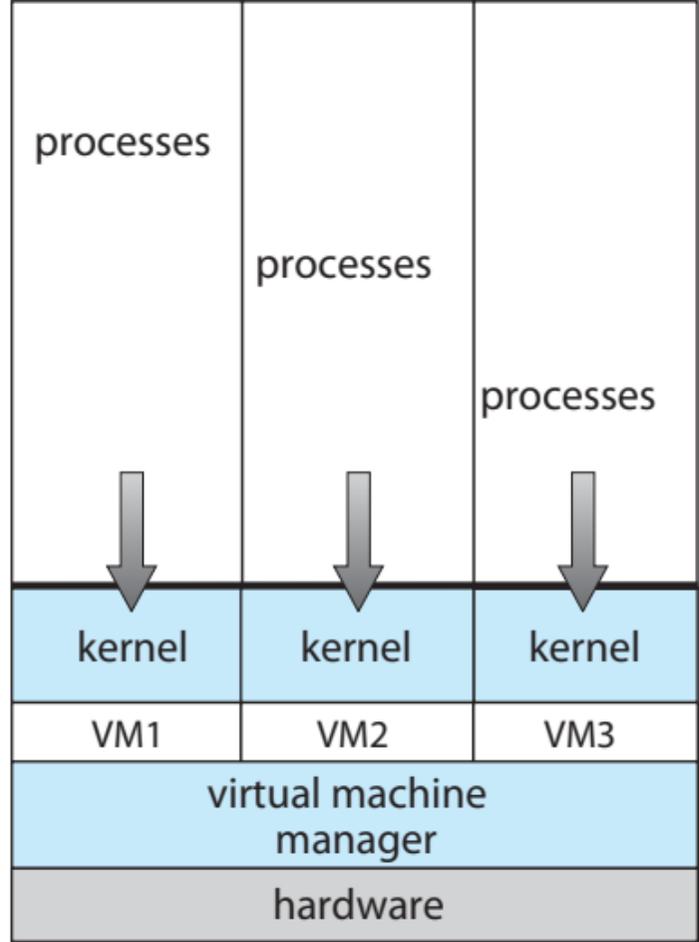
programming
interface

kernel

kernel

kernel

VM1

VM2

VM3

virtual machine
manager

hardware

(b)