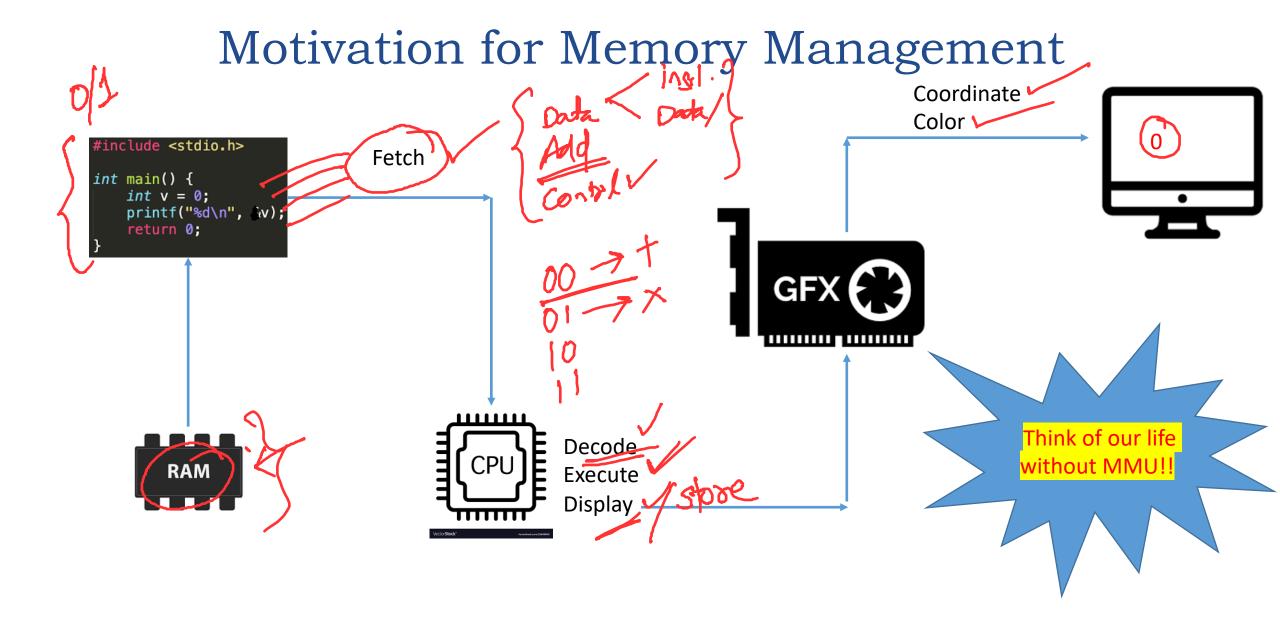
Introduction to Virtual Memory?

Dr. Sanjeet Kumar Nayak



Execution of Program (Process)

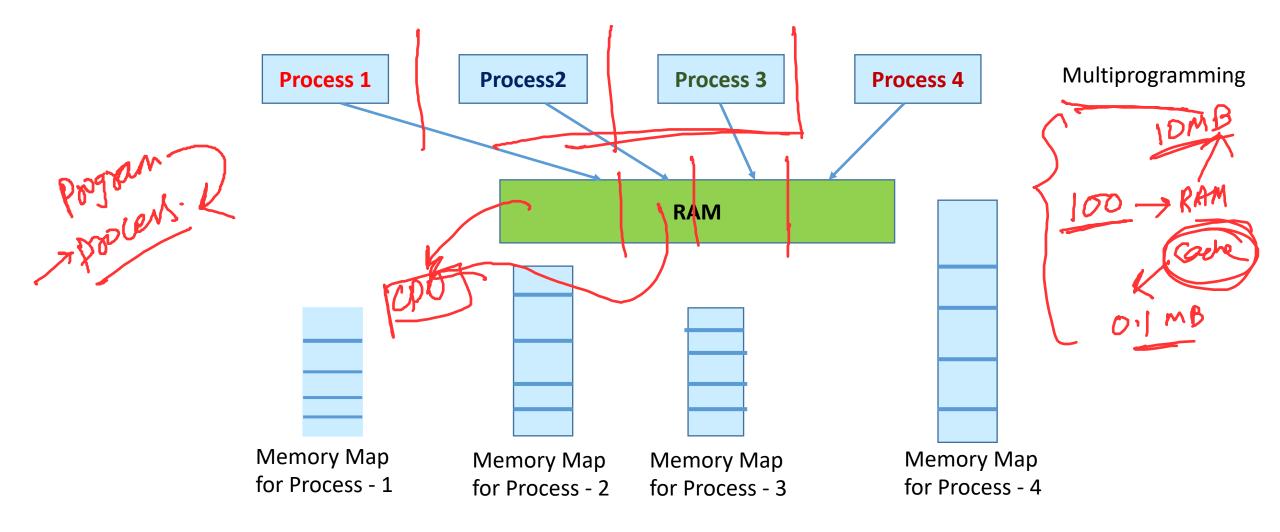
```
#include<stdio.h>
 int main(){
char str[]="Hello World\n";
printf("%s", str);
            Compile (gcc hello.c)
       Executable file
                              Process
```

Process

- A program in execution
- Present in the RAM
- Comprises of
 - Executable Instructions

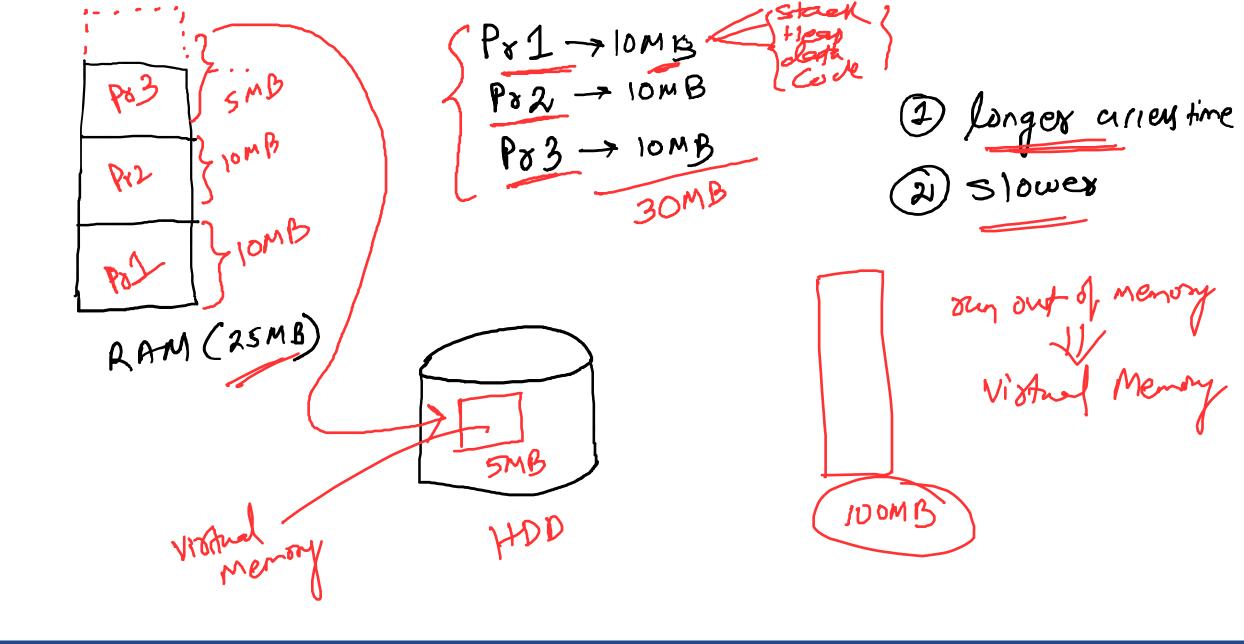
 - Stack /Heap /
 - State in the OS (in the kernel)

Processes Sharing RAM

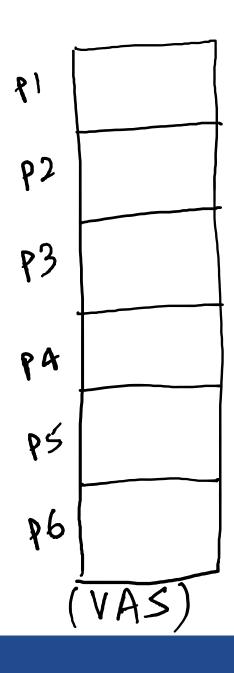


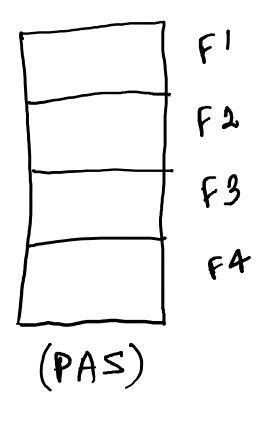
Modern Memory Management Techniques

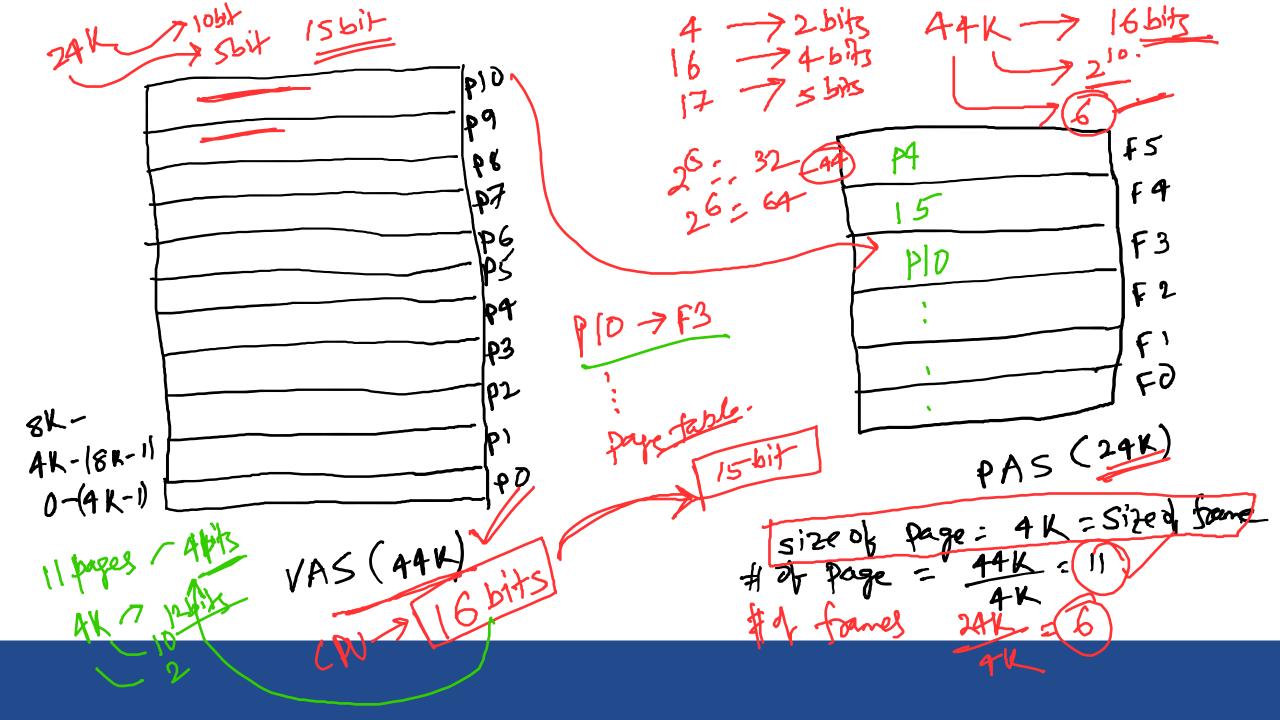
Virtual Memory Segmentation

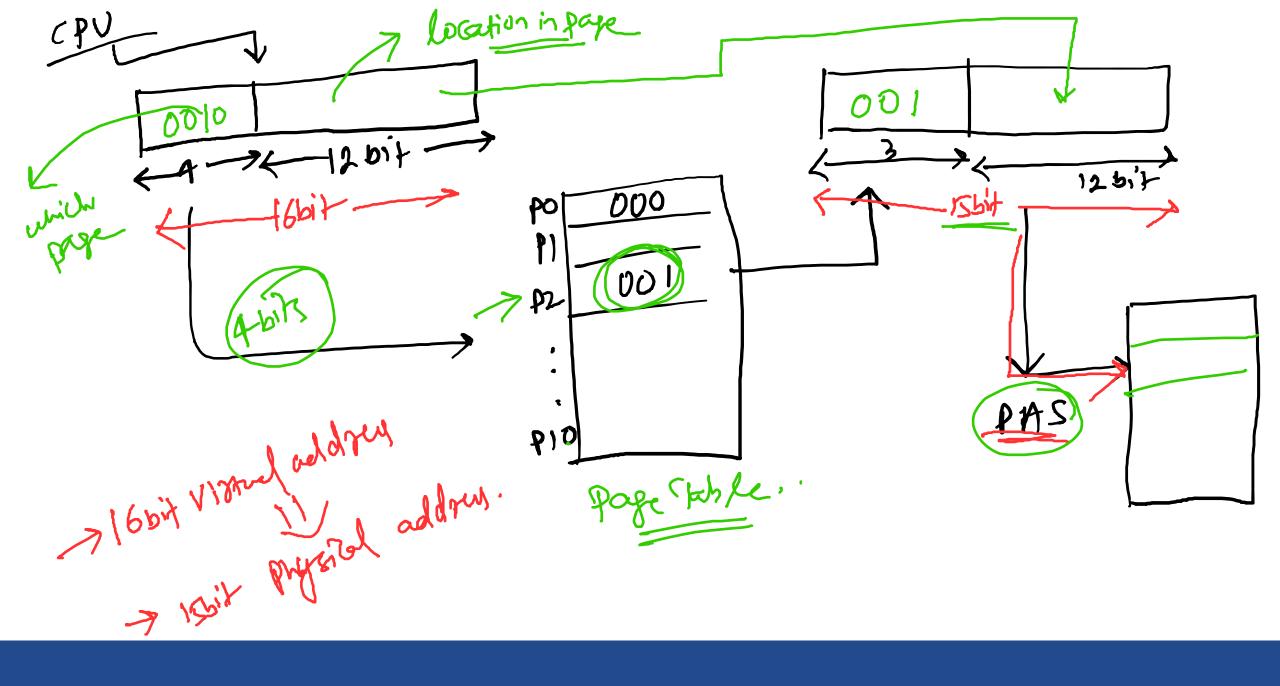


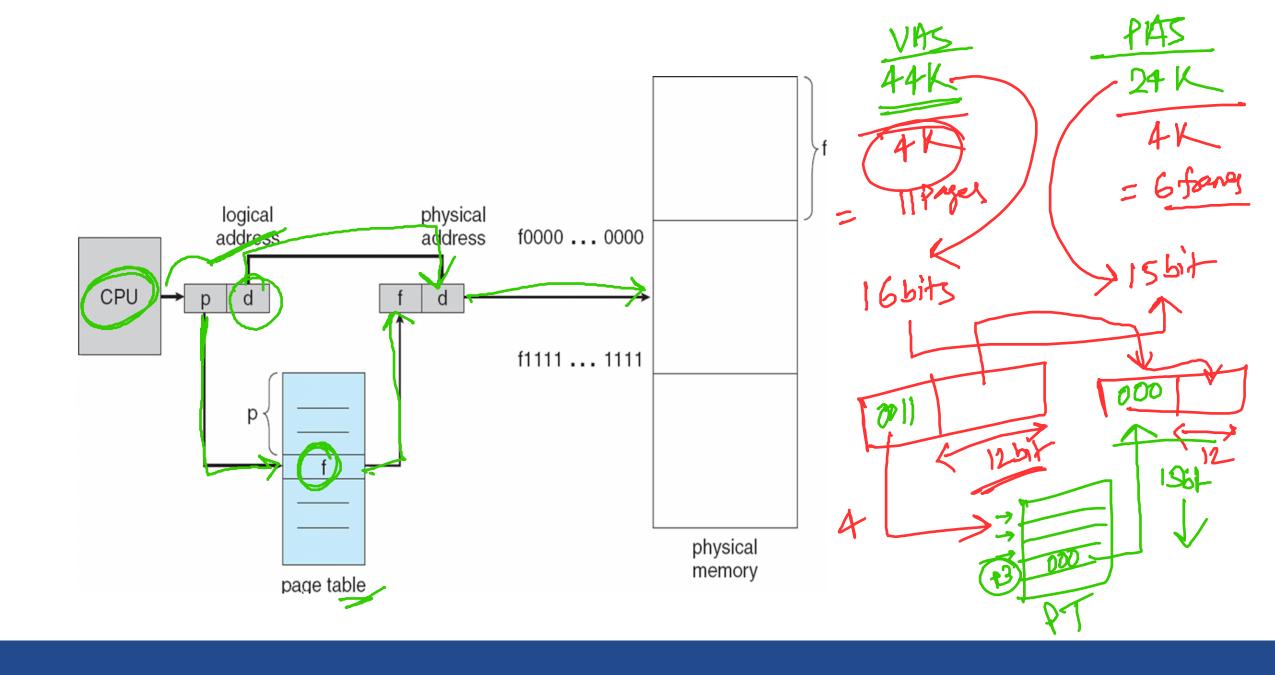
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Thank You

Any Questions?