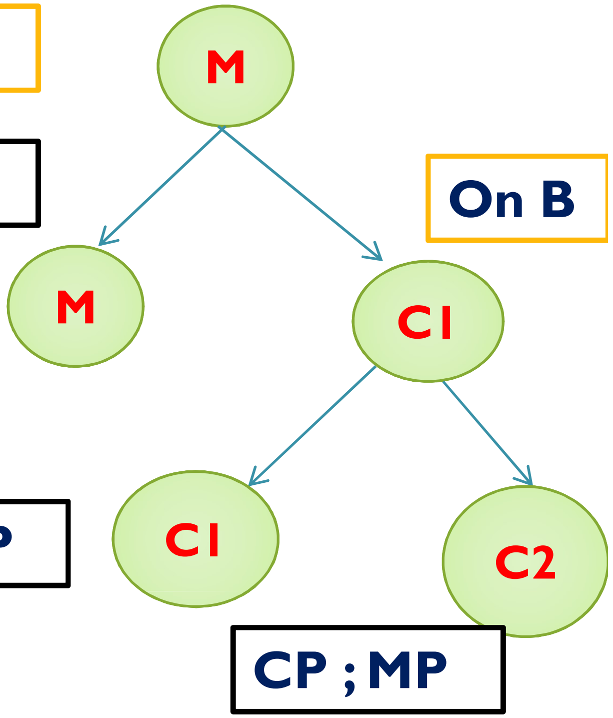
Fork & related system calls continued

On A

PP ; MP

CP ; MP

```
int main()
{
int pid;
pid=fork(); //A
if (pid<0) fprintf(stderr,"failed fork \n");
else if (pid==0)
{
fork();  //B
printf("child print \n");
}
else if (pid>0)
printf("Parent Print \n");
printf("Main Print \n");
return 0;
}
```



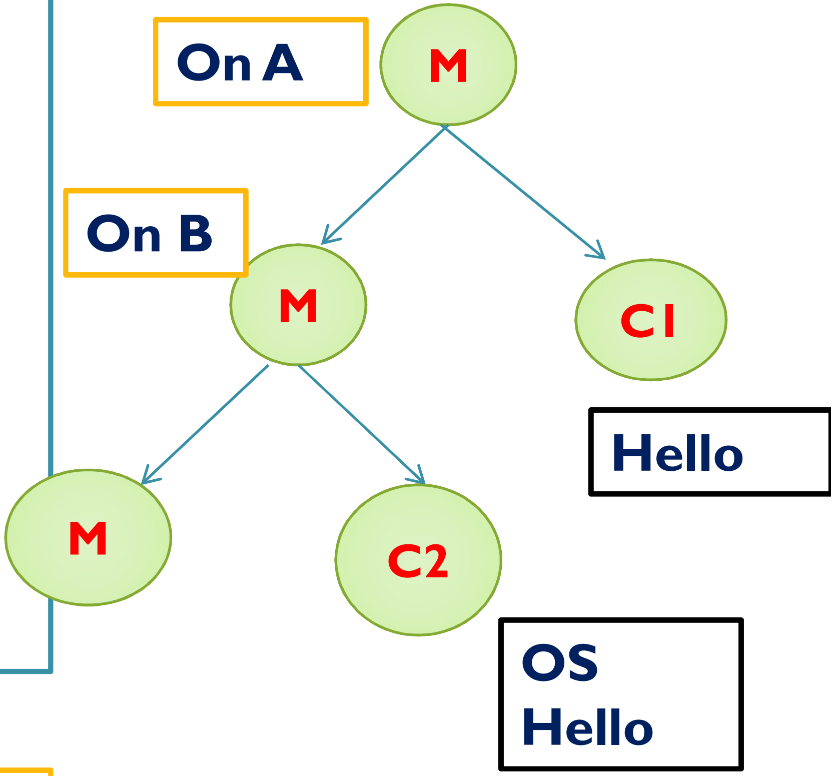
```
Parent Print //(PP)
Main Print  //(MP)
Child Print //(CP)
Main Print
Child Print
Main Print
```

✓Overall Three Processes in Main Memory M ; C1 and C2 ; C1 is child of M and C2 is child of C1.

Fork & related system calls continued

```
 int main()
{
int pid;
pid=fork();   //A
if (pid > 0) {
fork();     //B
printf("OS \n");
}
printf("Hello \n");
return 0;
}
```

OS
Hello



✓Overall Three Processes in Main Memory M ; C1 and C2 ; C1 is child of M and C2 is child of M.