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```c
/* getppid: print a child's and its parent's process ID numbers */
#include <stdlib.h>
#include <unistd.h>
#include <stdio.h>
int main(int argc, char **argv) {
printf("my process ID is %d\n", [Call to get PID]);
printf("my parent's process ID is %d\n", [Call to get parents PID]);
exit(0);
}
```

```c
/* getppid: print a child's and its parent's process ID numbers */
#include <stdlib.h>
#include <unistd.h>
#include <stdio.h>
int main(int argc, char **argv) {
printf("my process ID is %d\n", getpid());
printf("my parent's process ID is %d\n", getppid());
exit(0);
}
```

```
pheonix@pheonix-Latitude-E6440:~/Documents/University/Semester_4/Operating System$
gcc -o getids getids.c
pheonix@pheonix-Latitude-E6440:~/Documents/University/Semester_4/Operating System$
./getids
my process ID is 5525
my parent's process ID is 4834
```

```c
/* fork: create a new process */
#include <stdlib.h> /* needed to define exit() */
#include <unistd.h> /* needed for fork() */
#include <sys/wait.h> /* needed for wait() */
#include <stdio.h> /* needed for printf() */
int main(int argc, char **argv) {
int pid; /* process ID */
pid = fork();

if (pid == -1) {

        perror("Error");

}
sleep(1);
exit(0);
}
```

```
./getids
In child
 My PID = 10444
In parent
 My PID = 10443
My Child's PID = 10444
pheonix@pheonix-Latitude-E6440:~/Documents/University/Semester_4/Operating System$
```

```c
/* fork: create a new process */
#include <stdlib.h> /* needed to define exit() */
#include <unistd.h> /* needed for fork() */
#include <sys/wait.h> /* needed for wait() */
#include <stdio.h> /* needed for printf() */
int main(int argc, char **argv) {
int pid; /* process ID */
pid = fork();

if (pid == -1) {

        perror("Error");

}else if (pid == 0){

        printf("In child \n My PID = %d\n", getpid());

}else{
        pid_t cpid;
        cpid = wait(NULL);
        printf("In parent \n My PID = %d\n", getpid());
        printf("My Child's PID = %d\n", cpid);

}
sleep(1);
exit(0);
}
~
```

```
ps aux | grep forkexample
pheonix  10906  0.0  0.0  14436  1148 pts/1    S+   19:47   0:00 grep --color=auto
```