System Calls Programming

Program:

```
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
int main() {
   pid_t pid;
   pid = fork();
   if (pid == -1) {
      printf("CHILD PROCESS NOT CREATED\n");
      exit(0);  // Exit if forking failed
   }
   printf("THIS LINE EXECUTED TWICE\n");
   if (pid == 0) {
      // Child process execution
      printf("CHILD PROCESS\n");
      printf("Child Process ID: %d\n", getpid());
      printf("Parent Process ID of Child: %d\n", getppid());
   }
   else {
      printf("PARENT PROCESS\n");
      printf("Parent Process ID: %d\n", getpid());
      printf("Parent's Parent Process ID: %d\n", getppid());
   }
```

```
    printf("IT CAN BE EXECUTED TWICE\n");
    return 0;
}
```

OUTPUT :