Experiment-1

#include <stdio.h>

#include <unistd.h> // for fork(), getpid(), getppid()

int main() {

pid\_t pid;

// Create a new process

pid = fork();

if (pid < 0) {

// Error in process creation

printf("Fork failed!\n");

}

else if (pid == 0) {

// Child process

printf("Child Process:\n");

printf("PID: %d\n", getpid());

printf("Parent PID: %d\n", getppid());

}

else {

// Parent process

printf("Parent Process:\n");

printf("PID: %d\n", getpid());

printf("Child PID: %d\n", pid);

}

return 0;

}