

```

#include <stdio.h>

int main()
{
    int x = 1;
    printf("\nMain Parent: %d\n", getppid());

    int id = fork();

    if(id == 0)
    {
        printf("\nEntered child\n");
        printf("\nParent ID: %d\n", getppid());
        printf("\nChilds ID: %d\n", getpid());

        x = x + 10;
        sleep(20);

        printf("\nback in child\n");
        printf("\nNow Child is Orphan\n");
        printf("\nParent ID: %d\n", getppid());
        printf("\nOrphan Childs ID: %d\n", getpid());
        printf("\nx = %d\n", x);
        printf("\nOrphan Child is Exiting\n");
    }
    else
    {
        printf("\nEntered parent\n");
        printf("\nParent ID: %d\n", getpid());

        x = x+ 50;
        sleep(10);

        printf("\nback in parent\n");
        printf("\nx = %d\n", x);
        printf("\nParent is Exiting\n");
    }
    return 0;
}

```

/*OUTPUT-
Main Parent: 2691

Entered parent

Parent ID: 7533

Entered child

Parent ID: 7533

Childs ID: 7534

back in parent

x = 51

Parent is Exiting
osboxes@osboxes:~/TE/OSL/exp2/1A\$
back in child

Now Child is Orphan

Parent ID: 1832

Orphan Childs ID: 7534

x = 11

Orphan Child is Exiting

*/