**UIT2512---Operating Systems Practices Lab**

# 3) Create 1 Parent ad Two Child Processes where the Parent Process waits for Child 2 to Complete in Python

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# Here, you have to write a program in Python to create One Parent - Two Children, where the Parent process terminates only after the child 2 completes its execution. Use the appropriate system calls for the same in the parent process.

# CODE:

import os,sys

def child1():

    print("Child 1 process executing")

    sys.exit(0)

def child2():

    print("Child 2 process executing")

    sys.exit(0)

if \_\_name\_\_ == "\_\_main\_\_":

    # Create the first child process

    child1\_pid = os.fork()

    if child1\_pid == 0:  #

        child1()

    # Create the second child process

    child2\_pid = os.fork()

    if child2\_pid == 0:

        child2()

    # This is the parent process

    print(f"Parent process (PID {os.getpid()}) waiting for Child 2 (PID {child2\_pid}) to complete...")

    os.wait()  # Wait for any child process to complete

    os.wait()  # Wait for the second child process to complete

    print(f"Parent process (PID {os.getpid()}) is exiting")

# OUTPUT:

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