PARENT ,CHILD:

// C++ program to demonstrate calculation in parent and

// child processes using fork()

#include <iostream>

#include <unistd.h>

using namespace std;

// Driver code

int main()

{

int a[10] = { 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 };

int sumOdd = 0, sumEven = 0, n, i;

n = fork();

// Checking if n is not 0

if (n > 0) {

for (i = 0; i < 10; i++) {

if (a[i] % 2 == 0)

sumEven = sumEven + a[i];

}

cout << "Parent process \n";

cout << "Sum of even no. is " << sumEven << endl;

}

// If n is 0 i.e. we are in child process

else {

for (i = 0; i < 10; i++) {

if (a[i] % 2 != 0)

sumOdd = sumOdd + a[i];

}

cout << "Child process \n";

cout << "\nSum of odd no. is " << sumOdd << endl;

}

return 0;

}

OUTPUT:

Parent process

Sum of even no. is 30

Child process

Sum of odd no. is 25