OS Lab 7

11762 Muhammad Kashif

Task 1

#include <unistd.h>

#include <stdio.h>

#include <stdlib.h>

int main(){

int mod;

int sum =0;

int array[10];

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

printf("Enter number of array %d : ",i);

scanf("%d",&array[i]);}

pid\_t pid = fork();

if( pid == 0){

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

mod = array[i] % 2;

if (mod == 0){

sum = sum + array[i];}}

printf("Hello from Child!\n");

printf("Sum of Even Numbers : %d",sum);

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

printf("Child PPid : %d\n", getppid());}

else{

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

mod = array[i] % 2;

if (mod == 1){

sum = sum + array[i];}}

printf("Hello from Parent!\n");

printf("Sum of Odd Numbers : %d",sum);

printf("\nParent Pid : %d\n", getpid());}

return 0;}

Output

