

Task 1

```
voldemort@MSI:/mnt/c/Users/rkala/OneDrive/Desktop/Winter2025/ComputerOperatingSystemsLab/Labs/Lab03$ ./Lab03.o
Child Process:
num_array[0] = 2
num_array[1] = 4
num_array[2] = 6
num_array[3] = 8
num_array[4] = 10
Child sum = 30

Parent Process:
num_array[0] = 1
num_array[1] = 4
num_array[2] = 9
num_array[3] = 16
num_array[4] = 25
Parent sum = 55
```

Task 2

// Consider the following piece of C code:

```
void main() {
    fork();

    fork();

    exit();
}
```

// How many child processes are created upon executing this program?

```
parent
child child
child
```

“Upon executing the program, there will be 3 child processes. At the end of the program when exit is reached, the processes will terminate.”