Struct and function:

Task1 & Task2:

```
~/a/c/a/struct_and_function
    assignment2 ls
struct_and_function/ system_Call/ threading/
 assignment2 cd struct_and_function/
→ struct_and_function ls
task1* task1.c task2* task2.c
   struct_and_function gcc _/taskl.c -o taskl
struct_and_function ./taskl
Quantity of Paratha: 25
Unit Price: 10
Quantity of Vegetable: 5
Unit Price: 20
Quantity of Water: 20
Unit Price: 20
Number of people: 6
Individual people will pay: 125.00 tk
→ struct_and_function gcc _/task2.c -o task2
→ struct_and_function ./task2
lower bound: 6
upper bound: 28
28
→ struct_and_function ./task2
lower bound: 1
upper bound: 10000
28
496
8128
    struct_and_function [
```

System Call: Task1, Task2, Task3

```
~/a/c/a/system_Call
  struct_and_function
struct_and_function cd __
assignment2 cd system_Call/
  system Call ls
inputfile1.txt oddeven.c sort.c task1.c task2.c task3.c task4.c task5.c
oddeven* sort* task1* task2* task3* task4* task5*
   system_Call gcc _/task1.c -o task1
   system_Call ./task1
Input: ^C⊲
   system_Call ./task1 inputfile2.txt
Input: Hi
Input: this is input file 2
Input: from the taskl
Input: -1
→ system_Call cat inputfile2.txt
Ηi
this is input file 2
from the task1
→ system_Call gcc _/task2.c -o task2
   system_Call ./task2
I am grandchild
I am child
I am parent
  system_Call gcc ./task3.c -o task3
  system_Call ./task3
Total processes_created: 6
   system_Call
```

Task4 and Task5:

Threading:

Task1 and Task2 and Task3:

```
~/a/c/a/threading
Grandchild process ID: 67196
    system_Call cd ../threading/
threading gcc ./taskl.c -o taskl
    threading ./task1
thread-1 running
thread-1 closed
thread-1 closed
thread-2 running
thread-2 closed
thread-3 running
thread-3 closed
thread-4 running
thread-4 closed
thread-5 running
thread-5 closed
→ threading gcc _/task2.c -o task2
→ threading ./task2
thread-1 prints 1
thread-1 prints 2
thread-1 prints 3
thread-1 prints 4
thread-1 prints 5
thread-2 prints 6
thread-2 prints 7
thread-2 prints 8
thread-2 prints 9
thread-2 prints 10
thread-3 prints 11
thread-3 prints 12
thread-3 prints 13
thread-3 prints 14
thread-3 prints 15
thread-4 prints 16
thread-4 prints 17
thread-4 prints 18
thread-4 prints 19
thread-4 prints 20
thread-5 prints 21
thread-5 prints 22
thread-5 prints 23
thread-5 prints 24
thread-5 prints 25
    threading gcc _/task3.c -o task3
    threading ./task3
asd
ads
af
Miracle
 threading
```