

Task 1.1

```
riddha@riddha-Modern-15-A11MU:~$ gcc -o task01 task01.c
riddha@riddha-Modern-15-A11MU:~$ ./task01
Quantity Of Paratha: 25
Unit Price: 10
Quantity Of Vegetables: 5
Unit Price: 20
Quantity Of Mineral Water: 20
Unit Price: 20
Number of People: 6
Individual people will pay: 125.00 tk
```

Task 1.2

```
riddha@riddha-Modern-15-A11MU:~$ ./task01_2
1
10000
6
28
496
8128
```

Task 2.1

```
riddha@riddha-Modern-15-A11MU:~$ gcc -o task02_1 task02_1.c
riddha@riddha-Modern-15-A11MU:~$ ./task02_1 riddha.txt
Enter text to save in file or type '-1' to stop :
> Riddha
> Majumder
> -1
File operation completed.
riddha@riddha-Modern-15-A11MU:~$ cat riddha.txt
Riddha
Majumder
```

Task 2.2

```
riddha@riddha-Modern-15-A11MU:~$ gcc -o task02_2 task02_2.c
riddha@riddha-Modern-15-A11MU:~$ ./task02_2
I am grandchild
I am child
I am parent
riddha@riddha-Modern-15-A11MU:~$
```

Task 2.3

```
riddha@riddha-Modern-15-A11MU:~$ gcc -o task02_3 task02_3.c
riddha@riddha-Modern-15-A11MU:~$ ./task02_3
Total number of processes created: 2
Total number of processes created: 3
Total number of processes created: 3
Total number of processes created: 3
Total number of processes created: 3
Total number of processes created: 1
riddha@riddha-Modern-15-A11MU:~$ \
```

Task 2.4

Sort :

```
riddha@riddha-Modern-15-A11MU:~$ gcc -o sort sort.c
riddha@riddha-Modern-15-A11MU:~$ ./sort 20, 40, 10, 30, 50
Sorted Array:
50 40 30 20 10
riddha@riddha-Modern-15-A11MU:~$
```

OddEven

```
riddha@riddha-Modern-15-A11MU:~$ ./oddeven 5,6,9,3,2,8
5 is odd
6 is even
9 is odd
3 is odd
2 is even
8 is even
riddha@riddha-Modern-15-A11MU:~$
```

Main Task

```
riddha@riddha-Modern-15-A11MU:~$ ./task04 30,45,12,22,56
Sorted Array:
56 45 30 22 12
30 is even
45 is odd
12 is even
22 is even
56 is even
riddha@riddha-Modern-15-A11MU:~$
```

Task 2.5

```
riddha@riddha-Modern-15-A11MU:~$ gcc -o task2_5 task2_5.c
riddha@riddha-Modern-15-A11MU:~$ ./task2_5
Parent process ID: 5014
Child process ID: 5015
Grand Child process ID: 5016
Grand Child process ID: 5017
Grand Child process ID: 5018
riddha@riddha-Modern-15-A11MU:~$
```

Task 3.1

```
riddha@riddha-Modern-15-A11MU:~$ gcc -o task3_1 task3_1.c
riddha@riddha-Modern-15-A11MU:~$ ./task3_1
Thread-1 running
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
riddha@riddha-Modern-15-A11MU:~$
```

Task 3.2

```
riddha@riddha-Modern-15-A11MU:~$ gcc -o task3_2 task3_2.c
riddha@riddha-Modern-15-A11MU:~$ ./task3_2
Thread 1 prints 6
Thread 1 prints 7
Thread 1 prints 8
Thread 1 prints 9
Thread 1 prints 10
Thread 2 prints 11
Thread 2 prints 12
Thread 2 prints 13
Thread 2 prints 14
Thread 2 prints 15
Thread 3 prints 16
Thread 3 prints 17
Thread 0 prints 1
Thread 0 prints 2
Thread 0 prints 3
Thread 0 prints 4
Thread 0 prints 5
Thread 3 prints 18
Thread 3 prints 19
Thread 3 prints 20
Thread 4 prints 21
Thread 4 prints 22
Thread 4 prints 23
Thread 4 prints 24
Thread 4 prints 25
riddha@riddha-Modern-15-A11MU:~$
```

Task 3.3

```
riddha@riddha-Modern-15-A11MU:~$ gcc -o task3_3 task3_3.c
riddha@riddha-Modern-15-A11MU:~$ ./task3_3
Enter a name: Riddha
Enter a name: Majumder
Enter a name: Smarta
Riddha: 588
Majumder: 821
Smarta: 616
Hasta la vista
riddha@riddha-Modern-15-A11MU:~$
```