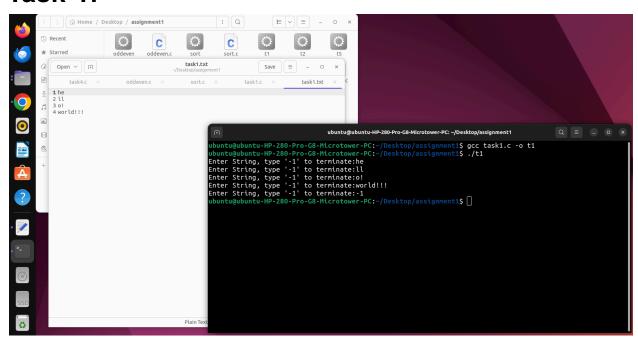
Task-1:



Task-2:

Task-3:

```
Q = - 0
                                           ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC: ~/Desktop/assignment1
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:~/Desktop/assignment1$ gcc task3.c -o t3
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:~/Desktop/assignment1$ ./t3
Total process created:3
9054
Total process created:3
9053
9052
Total process created:3
9056
Total process created:3
9057
9055
Total process created:4
9058
Total process created:3
Total process created:4
Total process created:4
Total process created:4
Total process created:4
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:~/Desktop/assignment1$ Total process created:4 ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:~/Desktop/assignment1$
```

Task-4:

```
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC: ~/Desktop/assignment1
                                                                                                       Q = _ _
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:~/Desktop/assignment1$ gcc sort.c -o sort
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:~/Desktop/assignment1$ gcc oddeven.c -o oddeven ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:~/Desktop/assignment1$ gcc task4.c -o task4
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:~/Desktop/assignment1$ ./task4 5 8 9 4 3 6
Odd/Even check:
5 is odd
8 is even
9 is odd
4 is even
3 is odd
6 is even
Sorted Array:3 4 5 6 8 9
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:~/Desktop/assignment1$ ./task4 52 78 96 45 22
Odd/Even check:
52 is even
78 is even
96 is even
45 is odd
22 is even
Sorted Array:22 45 52 78 96
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:~/Desktop/assignment1$
```

Task-5:

```
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:-/Desktop/assignment1$ gcc task5.c -o t5 ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:-/Desktop/assignment1$ gcc task5.c -o t5 ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:-/Desktop/assignment1$ ./t5
Parent process ID:7655
Child process ID:7656
Grandchild process ID:7657
Grandchild process ID:7658
Grandchild process ID:7658
Grandchild process ID:7659
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:-/Desktop/assignment1$ gcc task5.c -o t5 ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:-/Desktop/assignment1$ ./t5
Parent process ID:7671
Child process ID:7672
Grandchild process ID:7673
Grandchild process ID:7674
Grandchild process ID:7675
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:-/Desktop/assignment1$ 

ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:-/Desktop/assignment1$
```