

CENG313

PROGRAMMING ASSIGNMENT 2 REPORT

I implement two linked list. One for tasks and one for values of tasks. First I create random tasks and add them to task queue with enqueue() function. After that I dequeue task from task queue and according to their task types I delete, find or insert them in a linked list. Here is screen shots of my some executions :

```
tardis@tardis-UX303UB: ~/Desktop
tardis@tardis-UX303UB:~/Desktop$ ./queue 10
Generated 10 random list tasks..
task 0-delete 16 : 16 not deleted
task 1-search 1 : 1 not found
task 2-search 44 : 44 not found
task 3-delete 88 : 88 not deleted
task 4-search 61 : 61 not found
task 5-search 46 : 46 not found
task 6-insert 4 : 4 inserted in the list
task 7-search 92 : 92 not found
task 8-delete 53 : 53 not deleted
task 9-insert 71 : 71 inserted in the list
List:4 71 tardis@tardis-UX303UB:~/Desktop$
```

1: Generate 10 random tasks

```
tardis@tardis-UX303UB: ~/Desktop
Generated 22 random list tasks..
task 0-search 39 : 39 not found
task 1-insert 13 : 13 inserted in the list
task 2-search 28 : 28 not found
task 3-delete 80 : 80 not deleted
task 4-insert 100 : 100 inserted in the list
task 5-delete 12 : 12 not deleted
task 6-delete 71 : 71 not deleted
task 7-search 75 : 75 not found
task 8-delete 71 : 71 not deleted
task 9-search 68 : 68 not found
task 10-delete 43 : 43 not deleted
task 11-search 70 : 70 not found
task 12-search 61 : 61 not found
task 13-insert 92 : 92 inserted in the list
task 14-delete 34 : 34 not deleted
task 15-insert 76 : 76 inserted in the list
task 16-search 90 : 90 not found
task 17-search 50 : 50 not found
task 18-insert 21 : 21 inserted in the list
task 19-insert 71 : 71 inserted in the list
task 20-delete 5 : 5 not deleted
task 21-insert 10 : 10 inserted in the list
List:10 13 21 71 76 92 100 tardis@tardis-UX303UB:~/Desktop$
```

2: Generate 22 random tasks

```
tardis@tardis-UX303UB: ~/Desktop
tardis@tardis-UX303UB:~/Desktop$ ./queue 5
Generated 5 random list tasks..
task 0-insert 36 : 36 inserted in the list
task 1-search 51 : 51 not found
task 2-insert 98 : 98 inserted in the list
task 3-delete 53 : 53 not deleted
task 4-insert 47 : 47 inserted in the list
List:36 47 98 tardis@tardis-UX303UB:~/Desktop$
```

3: Generate 5 random tasks

```
tardis@tardis-UX303UB: ~/Desktop
tardis@tardis-UX303UB:~/Desktop$ ./queue 7
Generated 7 random list tasks..
task 0-search 9 : 9 not found
task 1-insert 12 : 12 inserted in the list
task 2-delete 70 : 70 not deleted
task 3-insert 22 : 22 inserted in the list
task 4-search 9 : 9 not found
task 5-delete 52 : 52 not deleted
task 6-delete 82 : 82 not deleted
List:12 22 tardis@tardis-UX303UB:~/Desktop$
```

4: Generate 7 random tasks