## 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:-/Desktop5 ./queue 10
Generaded 10 randon List tasks...
Generaded 10 randon List tasks...
task .-search 1: 1 not found
task 1-search 4: 44 not found
task 3-search 61: 61 not found
task 3-search 61: 61 not found
task 4-search 61: 61 not found
task 4-search 61: 61 not found
task 4-search 92: 92 not found
task 5-search 92: 92 not found
task 7-search 92: 92 not found
```

1: Generate 10 random tasks

```
o ardisectardis-UX303108:-/Desktop

Generated 22 random list tasks..

task 0-search 30 : 39 not found

task 1-lnsert 13 : 13 innerted in the list

task 1-lnsert 80 : 80 not deleted

task 4-lnsert 100 : 100 inserted in the list

task 3-delete 80 : 80 not deleted

task 4-delete 12 : 12 not deleted

task 6-delete 71 : 71 not deleted

task 6-delete 71 : 71 not deleted

task 7-search 77 : 73 not deleted

task 10-deleted 13 : 43 not deleted

task 10-deleted 31 : 43 not deleted

task 11-search 03 : 68 not found

task 11-search 01 : 61 not found

task 11-search 01 : 61 not found

task 11-search 01 : 61 not found

task 11-search 10 : 61 not found

task 11-search 10 : 61 not found

task 11-search 10 : 13 not found

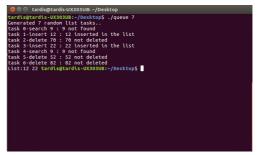
task 11-search 50 : 50 not found
```

2: Generate 22 random tasks

```
●●● tardis@tardis-UX303UB:-/Desktop
tardisgNardis-UX303UB:-/Desktop$./queue S
Generated S random list tasks... the list
task 1-search S1: 31 but found
task 1-search S2: 38 but found
task 2-insert 88: 98 inserted in the list
task 3-idelete 33: 53 not deleted
task 3-idelete 77: 47 inserted in the list
task 4-insert 47: 47 inserted in the list
List:36 47 98 tardisgtardis-UX303UB:-/Desktop$

List:36 47 98 tardisgtardis-UX303UB:-/Desktop$
```

3: Generate 5 random tasks



4: Generate 7 random tasks