

YILDIZ TEKNİK ÜNİVERSİTESİ BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ
VERİ YAPILARI VE ALGORİTMALAR DERSİ ÖDEVİ

Grup 2
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LİNKLİ LİSTEYİ OLUŞTURMA VE ARAMA İŞLEMİ

```
Enter values for initial linked list.
Enter space separated.
Initial Linked List : 0 1 2 3 4 5 6 7 8 9
*****
1 - Add
2 - Delete
3 - Search
4 - Print
5 - Quit

Choice : 4

Level 5 : 9
Level 4 : 5 9
Level 3 : 3 5 9
Level 2 : 2 3 5 6 9
Level 1 : 0 1 2 3 4 5 6 7 8 9
*****
1 - Add
2 - Delete
3 - Search
4 - Print
5 - Quit
```

```
Choice : 3
Enter a value for search : 7
7 is at level 1
*****

1 - Add
2 - Delete
3 - Search
4 - Print
5 - Quit

Choice : 3
Enter a value for search : 3
3 is at level 3
*****

1 - Add
2 - Delete
3 - Search
4 - Print
5 - Quit

Choice : 3
Enter a value for search : 5
5 is at level 4
*****

1 - Add
2 - Delete
3 - Search
4 - Print
5 - Quit

Choice : 3
Enter a value for search : 10
10 doesn't exist
```

ELEMAN EKLEME İŞLEMİ

Enter values for initial linked list.

Enter space separated.

Initial Linked List : 0 3 5 8 14

- 1 - Add
- 2 - Delete
- 3 - Search
- 4 - Print
- 5 - Quit

Choice : 4

Level 4 : 14

Level 3 : 5 14

Level 2 : 3 5 14

Level 1 : 0 3 5 8 14

- 1 - Add
- 2 - Delete
- 3 - Search
- 4 - Print
- 5 - Quit

Choice : 1

Enter a value to add : 1

- 1 - Add
- 2 - Delete
- 3 - Search
- 4 - Print
- 5 - Quit

Choice : 1

Enter a value to add : 8

- 1 - Add
- 2 - Delete
- 3 - Search
- 4 - Print
- 5 - Quit

Choice : 1

Enter a value to add : 20

- 1 - Add
- 2 - Delete
- 3 - Search
- 4 - Print
- 5 - Quit

Choice : 4

Level 7 : 20

Level 6 : 8 20

Level 5 : 1 8 20

Level 4 : 1 8 14 20

Level 3 : 1 5 8 14 20

Level 2 : 1 3 5 8 14 20

Level 1 : 0 1 3 5 8 8 14 20

- 1 - Add
- 2 - Delete
- 3 - Search
- 4 - Print
- 5 - Quit

Choice : 5

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ELEMAN SİLME İŞLEMİ

Enter values for initial linked list.

Enter space separated.

Initial Linked List : 0 2 4 6 8 10

- 1 - Add
- 2 - Delete
- 3 - Search
- 4 - Print
- 5 - Quit

Choice : 4

Level 4 : 8

Level 3 : 6 8

Level 2 : 4 6 8

Level 1 : 0 2 4 6 8 10

- 1 - Add
- 2 - Delete
- 3 - Search
- 4 - Print
- 5 - Quit

Choice : 2

Enter a value to delete : 4

4 is removed successfully

- 1 - Add
- 2 - Delete
- 3 - Search
- 4 - Print
- 5 - Quit

Choice : 2

Enter a value to delete : 6

6 is removed successfully

- 1 - Add
- 2 - Delete
- 3 - Search
- 4 - Print
- 5 - Quit

Choice : 2

Enter a value to delete : 20

20 doesn't exist

- 1 - Add
- 2 - Delete
- 3 - Search
- 4 - Print
- 5 - Quit

Choice : 4

Level 4 : 8

Level 3 : 8

Level 2 : 8

Level 1 : 0 2 8 10

- 1 - Add
- 2 - Delete
- 3 - Search
- 4 - Print
- 5 - Quit

Choice : 5

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