# **Laboratory practice No. 3: Linked Lists, Dynamic Vectors and Hash Tables9**

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**3) Practice for final project defense presentation**

**3.1**

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| **Exercise** | **Linked Lists** | **Array Lists** |
| 1.1 | O(n\*m) | O(n\*m) |

**3.2**

**3.3** The complexity of exercise 2.1 is O(n^2)

**3.4** In exercise 3.3, while calculating the complexity of exercise 2.1 we can say that the n represents the length of the string we enter.

***4) Practice for midterms***

4.1.1. b

4.1.2. a

4.2. b

4.3.1. b

4.3.2. d

4.4.1. stack.pop()

4.4.2. b

4.5. a

4.6. b

4.8. c

4.9

4.9.1: c

4.9.2: b

4.9.3: c

4.10.1: d

4.10.2: a

4.10.3: b

4.11.1: c

4.11.2: b

4.12.1: !s1.isEmpty()

4.12.2: s1.pop()

4.12.3: s2.pop()

4.13.1: iv

4.13.2: i

4.14: iii)