# **Laboratory practice No. 4: Hash tables and binary search trees**

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

**3.1** The bee algorithm was made with hash tables, this helped the time complexity efficiently, this complexity is O(1) to find the bees or any requirement.

**3.4** O(log n)

**3.5** n is the array length

***4) Practice for midterms***

**4.1**

* B
* D

**4.2**

1 nearest common ancestor

2 O(n)

3 to an AVL

**4.3**

1 return true

2 complexity: O(m+n)

**4.4**

* C
* A
* D
* C

**4.5**

* p != null
* toInsert > p

**4.7**

* a
* b

**4.7.3** d