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Homework 06
METU CENG310 Spring 2021
Data Structures and Algorithms with Python

Start Date: May 4th, 2021
Due Date: May 18th, 2021

1 Questions from the Textbook

Task-1: Solve the question P-7.45 from the textbook. Your deliverable has to be a module whose name is `hw6`. Your work will be tested in a way similar to what is shown below.

```python
from hw6 import SparseArray

sa = SparseArray(100) # All cells will have value None

sa[23] = 'C'
sa[24] = [1,2] # at this moment linked list should have only two nodes.
print(sa[23])
sa[25] # should return None, but internally no node #25 should exist.
sa[100] = 1 # should raise IndexError
```

2 Instructions

A Homework-05 page will be generated soon after the start date of this homework. All deliveries should be done over ODTUClass. Please also be aware of the late penalties (Please check the Announcements – Homework and Assignment Policy in ODTUClass if you have not already done so.). Should you have any questions pertaining to homework tasks, please ask them in advance (not on the due date) for your own convenience.