LAB № 9

Instructions

1. Please write the code for the problems in python language in Jupyter notebook

2. The code should readable with variables named meaningfully

3. Plagiarism is unacceptable and we have ways to find it. So do not do it.

4. Follow the instructions and define the methods/functions as given in the problem statement.

5. Write test cases wherever required so that they cover all scenarios.

6. Please do not use in-built python functions for solving the problem.

Problem 1

Given list of numbers, sort the list using selection sort algorithm.

```
Example 1:
    Input: list1 [54, 23, 7, 99, 4]
    Output: [4, 7, 23, 54, 99]


Example 2:
    Input: list1 [-3, 23, -65, -69, 69, 55]
    Output: [-69, -65, -3, 23, 55, 69]


Example 3:
    Input: list1 [ 606, 615, 154, 605, 152]
    Output: [152, 154, 605, 606, 615]
```

```python
1
2   def selection_sort(list1):
3       '''Your code
4           comes here'''
5
6       return {sorted list}
```