

# DATA STRUCTURES AND ALGORITHMS LABORATORY

## EndSem Practical Examination SPPU AY 2020-21 Semester :- 2



#### SUBMITTED BY :-

NAME :- OJUS PRAVIN JAISWAL

SEAT NO. :- \$191094290

ROLL NO.:- SACO19108

DIVISION :- A

#### **Group: A**

### **Practical No.: 2**

**Problem Statement :-** For given set of elements create skip list. Find the element in the set that is closest to some given value. (note: Decide the level of element in the list Randomly with some upper limit)

Solution:-

#### Output:

```
Run: DSA A2.py 

Enter element no. 8: 70
Successfully inserted key 78

Enter element no. 9: 70
Successfully inserted key 88

Enter element no. 10: 70
Successfully inserted key 98

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1) Insert an element in skip list
2) Display the skip list
3) Search an element in skip list
4) Exit the program
Enter your choice: 1

Enter new element: 38
Successfully inserted key 55
```

