LOVELY PROFESSIONAL UNIVERSITY

Assignment No. 2

School: SCA   **Faculty of: LFTS**

Course Title: PROGRAMMING IN JAVA-LAB   **Course Code:CAP680**

Section:D2217,D2221   **Group 1**

Date of Allotment:13 feb   **Last Date of Submission: 19 feb**

Important Guidelines:

1. Allocated Question according to odd/even roll number in this Assignment.

2. After solving assignment in Sandbox make a pdf file and upload onto the prescribed link which will be shared by faculty member.

3. Refrain from indulging into plagiarism as copy cases will be marked zero

4. For every program it is mandatory to give proper documentation.

Set-Odd

Q:1.17.Rahul wants to become fit for which he decided to walk to the office and return home by walking. It is known that Rahul's office is X km away from his home.If his office is open on 5 days in a week, find the number of kilometers Rahul travels through office trips in a week.

Q2:18.Sachin has recently moved into an apartment. It takes 30 minutes for Sachin to reach office from the apartment. Sachin left for the office X minutes before Sachin was supposed to reach. Determine whether or not Sachin will be able to reach on time.

Set-Even

Q:1.Deepak likes the number 239. Therefore, he considers a number pretty if its last digit is 2,3 or 9.Deepak wants to watch the numbers between L and R (both inclusive), so he asked you to determine how many pretty numbers are in this range. Can you help him?

Q2:You are climbing a staircase. It takes n steps to reach the top.
Each time you can either climb 1 or 2 steps. In how many distinct ways can you climb to the top?
Example 1:
Input: n = 2
Output: 2
Explanation: There are two ways to climb to the top.
1. 1 step + 1 step
2. 2 steps