Course Code	:	BCSL-043
Title	:	**Java Programming Lab**
Assignment Number	:	**BCA(IV)/L-043/Assignment/2024-25**
Maximum Marks	:	**50**
Last date of Submission	:	**31ˢᵗ October, 2024 (For July Session)**
		30ᵗʰ April, 2025 (For January Session)

This assignment has two questions. Answer all the questions. These questions carry 40 marks. Rest 10 marks are for viva voce. You are advised to give proper comments and do proper alignments while writing program. Please go through the guidelines regarding the assignments given in the programme guide for the format of presentation.

Q1:

    (a) Write java program to find the simple interest on a savings account. Define appropriate class, constructor and methods in your program. Make necessary assumptions. **(10 Marks)**

    (b) Write a java program to print first 50 fibonacci numbers . Define appropriate class, constructor and methods in your program. **(10 Marks)**

Q2:

    (a) Write a program to demonstrate multilevel inheritance implementation. Make suitable provisions of exceptions handling in your program. **(10 Marks)**

    (b) Create an applet which take a number as input and display whether the given number is even or odd. If the input number is less than 1 then ask user to re-enter the input. Use appropriate components, layout and formatting in your program. **(10 Marks)**