

## **Assessment -3**

### **Question - 1**

Write the java program to this Loan class (refer the course page) to throw IllegalArgumentException if the loan amount, interest rate, or number of years is less than or equal to zero

### **Question - 2**

Simulate a Bike race using the Multithread in java. Created a class by your own that extends Thread. Assume that 5 bikes are scheduled for the race. Generate a random number for bike name/no, time and add 3 stage for the race. Print the results after each stage as given below. Use thread sleep between 2 to 5 seconds for the same.

Stage-1

Bike -1

Bike -3

Bike -5

Bike -2

Bike -4

Stage-2

Bike -2

Bike -4

Bike -1

Bike -3

Bike -5

Stage-3

Bike -1

Bike -5

Bike -3

Bike -4

Bike -2