1. Write a Java program to create a method that takes a string as input and throws an exception if the string does not contain vowels.

Sample Input1:
Original string: Who would know naught of art must learn, act, and then take his ease

Sanmple Output1:
String contains vowels.

Sample Input 2:
Original string: My Rhythms fly.

Sample Output 2:
Error: String does not contain any vowels

2.Write a Java program that reads a list of integers from the user and throws an exception if any numbers are duplicates.

Sample Input 1 :

1
2
3
4
5

Sample Output 1:
No duplicate numbers

Sample Input 2:
1
2
3
3
4
5

Sample Output 2:
Error: Duplicate number found: 3

3. Demonstrate a Multithreading program , which contains Thread class, Runnable interface(along with anonymous function) and synchronization.

4. Program to implement multiple thread using runnable interface to print Fibonacci & sum of all prime numbers up to a given limit and display all running thread.