- 1. Implement a Java program to read a number to a file called as "Input.txt". Read the number from the file and check whether it is an Armstrong number or not. The output should be displayed in a file called as "Output.txt".
- 2. Implement a Java program that implements a multi-threaded program which has three threads. First thread generates a random integer every 1 second. If the value is even, second thread calculates the factorial of that number. If the value is odd the third thread will display the square root of that number.
- 3. Implement a Swing program with the layout given below. When the user enters a number in the first text field and clicks the button labelled "Calculate" the program should check whether the number is prime or not and must display the result in the second text field.

Number	
Result	
	Calculate