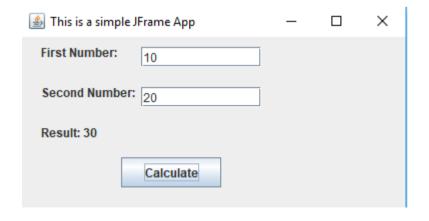
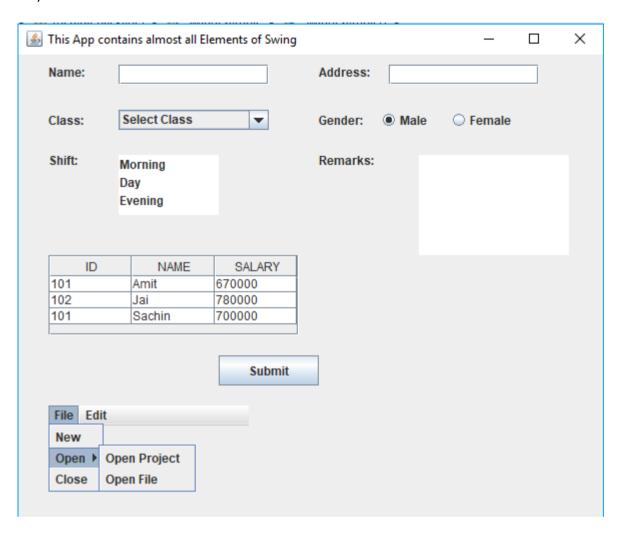
<u>Lab -3 (Assignment - 3)</u>

- 1) Write a program to demonstrate exception handling using **try, catch and finally** block.
- 2) Write a program to handle following exceptions:
 - a) Arithmetic b) NullPointer c) ArrayIndexOutOfBound
 - d) StringIndexOutofBound e) NumberFormatException
- 3) Write to program to demonstrate throw and throws keyword.
- 4) Write a program to demonstrate **nested try** block.
- 5) Write a program to demonstrate multiple catch block.
- 6) Write a program to input any string and convert it to **uppercase and lowercase**.
- 7) Write a program to demonstrate character extraction using **charAt**() and **getChars**() methods.
- 8) Write a program to demonstrate string comparison using **equals()** and **compareTo()** methods.
- 9) Write a program to search any string **indexOf**() and **lastIndexOf**() methods.
- 10) Write a program to demonstrate modification of string using **substring**(), **replace**(), **concat**() and **trim**() methods.
- 11) Write a program to demonstrate various methods of **String Buffer** class.
- 12) Write a program to demonstrate thread by extending Thread class.
- 13) Write a program to demonstrate thread by **implementing Runnable interface**.
- 14) Write a program to demonstrate sleep() and stop() methods.
- 15) Write a program to **get and set priorities** in thread.
- 16) Write a program to demonstrate **Inter Thread Communication** using Synchronization.
- 17) Write a program to demonstrate deadlock condition.
- 18) Write a program to **push and pop items** in and from stack.
- 19) Write a program to demonstrate vector.
- 20) Write a program to demonstrate hash table.
- 21) Write a program to generate random number in Java.
- 22) Write a program to implement Map, List and Set Interface.
- 23) Write a program to demonstrate Array List, Linked List, Hash Set and Tree Set.
- 24) Write a program to demonstrate **Iterator and Comparator** in Collection Framework.
- 25) Write a **swing program** for the following:

a)





- 26) Write a swing program to demonstrate key and mouse event handling.
- 27) Write a program to create dialog box.
- 28) Write a program of your choice to demonstrate basic Java Applet.
- 29) Write a program to create **database connection** and demonstrate **data manipulation** using **JDBC** (Show Basic **CRUD** operation).
- 30) Write a program to create a file and demonstrate basic file read and write operation.
