


1



JTextField  
(at BorderLayout.NORTH)

JPanel in GridLayout(4,4)  
(at BorderLayout.CENTER)

Content-Pane in BorderLayout

A) Implement a simple calculator (called `SwingCalculator`) as shown.

B) Write a program to get the input (set of integers) from the user and write prime number it into file Using Reader and Writer file.

C) Write a program to check the validity of age [1-100] ,Handle various exceptions like negative number[<0], number exceed[>100] and not eligible[<20] and display appropriate message.

2

A) Write a simple java program by using scrollbar as shown below

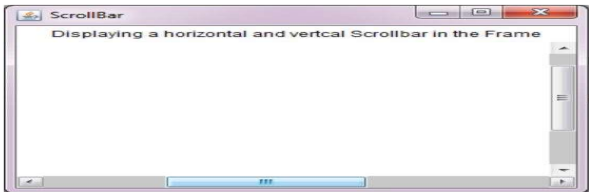


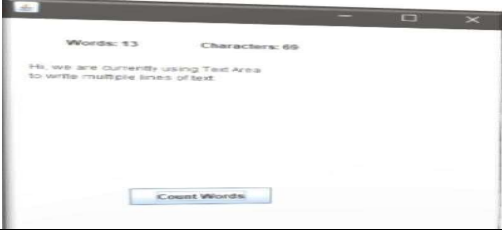
Figure 1

B) Write a Java program to read a file (FILE.txt) content line by line and display total number of lines and number of character in each line.

C) Define a new exceptions, called `ExceptionLineTooLong` that prints out the error message "The strings is too long" and and `NotString` that prints out the error message "Given input is not string" . Write a program that reads input and throws an exception of type "`ExceptionLineTooLong`" and "`NotString`" in the case of invalid input. Handle all exceptions that could be thrown by the program.

3

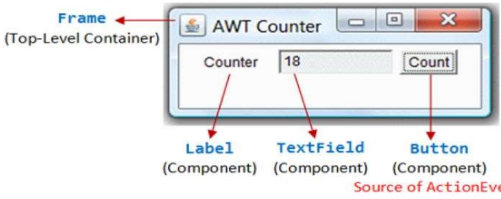
A) Write a java program to find number of words and characters in a TextArea



B) Write a java program to read data from the user and write vowels into vowel.txt, consonants into con.txt, special characters into spe.txt and digits into digit.txt

C) Write a java program read "year" as input and handle the exceptions like "`NegativeNumber`", "`LeapYear`" and "`CenturyYear`" and display appropriate messages.

4



Write an AWT GUI application (called AWTCounter) as shown in the Figure. Each time the "Count" button is clicked, the counter value shall increase by 1.

A)

B) Write a java program to swap the contents of two files?

C) Write a java program to handle "ArrayIndexOutOfBoundsException" and "InvalidInput" which will read only integer values. Handle exception of the input is other than integer values.

5

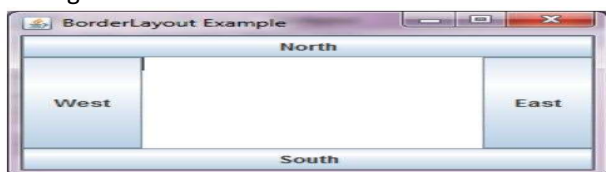
A) Creating a menu, menu items and a submenu.(1.Asia---- 1.1.Countries list----1.1.2.cities list,2.Europe 2.1.Countries list----2.1.1.cities list

B) Write a Java program to compare the content of two files equal or not.

C) Write a java program read "number" as input and handle the exceptions like "NegativeNumber", "PrimeNumber" and "EvenNumber" and display appropriate messages.

6

A)Write a java program to display a window that contains the components such as four buttons and a blank textarea positioned using BorderLayout manager, when you click some button ,it should display message-" clicked East button" in text area



B)Write a java program

- Create a class called **MyCurrentDate** that implements **Runnable** interface.
- The **MyCurrentDate** class displays the current date and time 10 times, with 100 milli seconds interval - use **sleep()** method for this interval.
- Create a class called **MyMain**, which contains **main()** method, in which 3 instances of **MyCurrentDate** threads are being run.

C) Define a new exceptions, called IntegerException that prints out the error message "Input is integer value" and FloatException that prints out the error message "Input is float number" . Write a program that reads input and throws an exception of type IntegerException and FloatException in the case of invalid input. Handle all exceptions that could be thrown by the program