JAVA ASSIGNMENT-5

STRING HANDLING

1) Write a java program to perform following operations using menu driven

a. Find a substring

b. Find a length of the string

c. Find a particular character located at index no.5

2) Write a java program to find convert following string into uppercase.

1. I Love India

3) Write a java program to find convert following string into lowercase.

1. K S ScHOOL

4) Write a java program that takes first name and last name from the user along with birth date using different string literals. Display output of the string in proper format and also uses delimiter wherever it is required.

5) Write a java program to perform following operations:

i) Insert a new character

ii) Delete a character

iii) Append two strings

iv) Reverse a string

EXCEPTION HANDLING

1. Write a java program that will handle ArithmeticException, ArrayIndexOutOfBound, NullPointerException and ClassNotFoundApplicatiion using try and catch block. Create multiple catch blocks to handle the above mentioned exceptions.

2. Write a java program to search the catch block.
   A) Create 4 methods a(), b(), c() and d(). A() calls b(), b() calls c() and c() calls d().

      a() handles ArithmeticException
      b() handles ArrayIndexOutofBound exception
      c() handles NumberFormat exception
      d() handles ClassCast exception.

   Method d() will raise the exception called ArrayIndexOutofBound exception and will be caught by method b().
   Also handle ArithmeticException from a() that is raised by method d().

3. Write a java program that have four methods called a(), b(), c() and d().
   a() -> handles only ArithmeticException.
   b()->handles only ArithmeticException
   rethrow exception
   c()->handles only ArithmeticException
   rethrow exception
   d()->handles only ArithmeticException
   rethrow exception
   d()-> this will raise the arithmetic exception and also catch the same exception by catch block and explicitly throw the exception to the calling method for same above all methods.

4. Write a java program that has three methods a(), b() and c().
   a() calls the method b(),
   b() calls the mehod c() and throws ClassNotFound Exception.
   c() raise the ClassNotFoundExeption also raise the exception and explicitly throws ClassNotFoundException.

5. Write a java program that handles custom exception. Create a class called CustomException1 that extends exception class. Perform division and if denominator is zero, it will raise custom exception giving suitable message.