import java.util.Arrays;

import java.util.List;

import java.util.ArrayList;

public class StringArrayTest

{

public static void main(String[] args)

{

String[] words = {"ace", "boom", "crew", "dog", "eon"};

List<String> wordList = Arrays.asList(words);

for (String e : wordList)

{

System.out.println(e);

}

}

}

http://www.learnjavaonline.org/en/Loops

http://www.ntu.edu.sg/home/ehchua/programming/java/J2a\_BasicsExercises.html

http://www.stanford.edu/class/cs106a/

http://www.cafeaulait.org/javatutorial.html

1. Write a Java Program that will take a date as input and check for a valid date. The format of the date is ***dd/mm/yyyy*** (Use String to take the input). Define your own exception classes that will generate error messages in the following cases:

i. if ***dd*** is an invalid input (for example: dd is 65).

ii. If ***mm*** is an invalid number (for example: mm is 24).

1. Write a Java program that will implement the following scenario:

Class Account

Class Customer

Interface –Calculate Interest

Interface-Set properties

**Software Implementation:**

Class account

{

//account no, account type, interest rate, tax;

}

Class customer

{

//customer name, balance

}

Interface t1

{

void set\_properties();

}

Interface t2

{

void cal\_interest();}

1. Write a program in java that will implement a class named **queue** in a package **test**. This class will contain two private data members: String ***Name*** and an array of integers.

Now define an interface ***t1*** that will contain two methods: ***insert()*** and ***delete()***. You should define two subclasses of **queue** in two different packages **test1** and **test2**. These two subclasses will implement circular queue and priority queue. These two classes should implement ***t1***. Now define your own **main()** method in another package **test3**. You should define **toString()** method for each class.

1. Write a program in java that will implement a class named **string\_op** in a package **test1**. This class will contain a privat array of characters **c[]** and private data **size**. There will be two constructors to initialize these data:
   1. string\_op(char a[])
   2. string\_op(char a[], int start, int end)

This class will contain the following public methods:

1. int length()
2. String toString()
3. charAt()
4. equals()
5. compareTo()
6. regionMatch()
7. indexOf()
8. lastIndexOf()

all the methods have the same signature as the methods defined in String class.( You

should read the String class before doing this) Now define a class named **string\_use** in

a different package. This class will contain the **main()** method and performs various

operation on a String.