Day.7

String, StringBuffer, StringBuilder, StringTokenizer classes
Date and Calendar classes

Q1) Write class that declares the following String.

"The quick brown fox jumps over the lazy dog".

Perform the following modifications to the above string using appropriate

Methods.

a)   Print the character at the 12th index.

b)   Check whether the String contains the word "is".

c)   Add the string "and killed it" to the existing string.

d)   Check whether the String ends with the word "dogs".

e)   Check whether the String is equal to "The quick brown Fox jumps over the lazy Dog".

g)   Check whether the String is equal to "THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG".   Find the length of the String.

h)   Check whether the String matches to "The quick brown Fox jumps over the lazy Dog".

i)   Replace the word "The" with the word "A".

j)   Split the above string into two such that two animal names do not come together.

k)   Print the animal names alone separately from the above string.

l)   Print the above string in completely lower case.

m)   Print the above string in completely upper case.

n)   Find the index position of the character "a".

o)   Find the last index position of the character "e".

Q2) Using StringTokenizer to write a program to use a delimiter to split a given sentence containing the specified delimiter like $ or % etc and print the output.

Q3) Using Java calendar class/ methods, write a program to subtract x number of days, x number of years, x number of months and x number of hours from current date. Get the x input from the User.

Q4) Write a program to check whether the given strings are an anagram or not. An anagram is a word or a phrase made by transposing the letters of another word or phrase; for example, "Ate" is an anagram of "Eat". The program should ignore white space and punctuation.

Q5) Accept two dates from user and print the months between them.