# Assignment 1

Wite a code to input string from terminal window. Use Substrings.

e.g.

> Input String: Java programming is easy

Output should be:

Java  
programming  
is  
easy

e.g.

>Input String: India will be 5 trillion USD economy by 2025.

Output should be:

India  
will  
be  
5  
trillion  
USD  
economy  
by  
2025.

**package** myproject;

**import** java.util.Scanner;

**public** **class** Split {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated meth

String input;

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter a string");

input=sc.nextLine();

String[] words=input.split("\\s");//splits the string based on whitespace

//using java foreach loop to print elements of string array

**for**(String w:words){

System.***out***.println(w);

}

}}

# Assignment 2

Wite a code to input string from terminal window. Use chartAt. Toggle each alphabet case in output.

e.g.

> Input String: Java programming is easy

Output should be: jAvA PrOgRaMmInG Is EaSy

package ex3;

import java.util.Scanner;

public class Exmp8 {

public static void main(String[] args) {

String str = null;

String nstr = "";

Scanner sc = new Scanner(System.in);

str = sc.nextLine();

for(int i=0;i<str.length(); i++) {

if(i%2 == 0) {

Character.toLowerCase(str.charAt(i));

nstr+=Character.toLowerCase(str.charAt(i));

}

else {

Character.toUpperCase(str.charAt(i));

nstr+=Character.toUpperCase(str.charAt(i));

}

}

System.out.println(nstr);

}

}

# Assignment 3

Write a code to check if the string, word or number input from terminal is palindrome.

package com.cts;

import java.util.Scanner;

public class Pallindrome {

public static void main(String args[]){

String string,reverse="";

Scanner scan=new Scanner(System.in);

System.out.println("Enter a string");

string=scan.next();

int length=string.length();

for(int i=length-1;i>=0;i--){

reverse=reverse+string.charAt(i);

}

if(string.equals(reverse))

{

System.out.println(string+" is a pallindrome. ");

}

else{

System.out.println(string+ " not a pallindrome");

}

}

}

Assignment 4

Write a code to get difference between two dates in days. Input two dates from terminal.

# Assignment 5

Write a code to input strings from terminal. One string at a time. All strings should be stored in array list. Output should be sorted strings.