**To Study Use Of Different String Functions**

import java.util.\*;

public class String\_Demo {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

//String Comparison

//String Literal Normal Method

System.out.println("Enter Two Words:");

String s1="java";

String s2="java";

if(s1==s2)

System.out.println("Two Strings are Equal in Normal Assigning Method Using Equal Operator:");

else

System.out.println("Two Strings are Not Equal in Normal Assigning Method Using Equal Operator:");

//String using New Keyword

System.out.println("Enter Two Words:");

String s3=new String("student");

String s4=new String("student");

if(s3==s4)

System.out.println("Two Strings are Equal in Assigning Sting Using 'new' Keyword Using Equal Operator:");

else

System.out.println("Two Strings are Not Equal in Assigning Sting Using 'new' Keyword Using Equal Operator:");

//For Character Position

System.out.println("Enter a Word and Position for Geting the Character:");

String s5=sc.next();

int pos=sc.nextInt();

System.out.println("Character at '"+pos+"' is:"+s5.charAt(pos));

//For length of String

System.out.println("Length of "+s5+" is:"+s5.length());

//For Extracting More than One Characters

System.out.println("Positions of Stating and Ending a String and Position in Array:");

int startPos=sc.nextInt();

int endPos=sc.nextInt();

int arrayPos=sc.nextInt();

char []a=new char[10];

s5.getChars(startPos,endPos,a,arrayPos);

System.out.print("Words Extracted from "+s5+" is:");

for(int i=0;i<10;i++)

System.out.println(a[i]);

//Coversion to a Character Array

char []ab=s5.toCharArray();

System.out.print("The Character Array Corresponding to the String "+s5+" is:");

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

System.out.println(ab[i]);

}

}