Strings  
  
import java.util.Scanner;  
  
public class Main {  
  
 public static void main(String[] args) {  
  
 *//String Declaration* String name = "DIKSHA";  
 String fullname = "DIKSHA PATHAK";  
 String sentence = "My name is Diksha Pathak";  
  
 *//Input from the user* Scanner sc = new Scanner(System.*in*);  
 *//String str=sc.next(); //prints only the first word that is input  
 //System.out.println("Your name is : " + str);  
  
 //String str1=sc.nextLine(); //prints the complete sentence that is input  
 //System.out.println("Your name is : " + str1);  
  
 //concatenate the strings* String firstname = "tony";  
 String lastname = "stark";  
 String fulln = firstname + "@" + lastname;  
 System.*out*.println("Your name is : " + fulln);  
  
 *//length of the string* System.*out*.println(fulln.length());  
  
 *//charAt - print character by character* for (int i = 0; i < fulln.length(); i++) {  
 System.*out*.println(fulln.charAt(i));  
 }  
  
 *//compare two strings* String name1 = "Tony";  
 String name2 = "tony";  
  
 *//compareTo returns +ve value if name1>name2 ; negative value if name1<name2 and 0 if both are equal  
 //compareToIgnoreCase ignores the case of the letters* if (name1.compareToIgnoreCase(name2) == 0) {  
 System.*out*.println("Strings are equal");  
 } else {  
 System.*out*.println("Strings are not equal");  
 }  
  
 *//substring* String sen = "My name is Tony";  
 String str2 = sen.substring(0, 2);  
 System.*out*.println(str2);  
  
 *//strings are immutable  
  
 //defining strings from character array* char[] chars = {'a', 'b', 'c'};  
 String st = new String(chars, 1, 2); *//output - bc* System.*out*.println(st);  
  
 *//concatenation with other data types* String foo = "foobar" + 2 + 2; *//foobar22* System.*out*.println(foo);  
 String foo1 = "foobar" + (2 + 2); *//foobar4* System.*out*.println(foo1);  
  
 *//parsing* Integer a = 364; *// if you need to do type casting, you can only do via Integer, Long classes and not primitive data types* String m = a.toString();  
 System.*out*.println(m);  
 char[] c = m.toCharArray(); *//convert to a character array  
  
 //equals and equalsIgnoreCase- returns true if equal, false otherwise* String s1 = "hello";  
 String s2 = "Hello";  
 if (s1.equalsIgnoreCase(s2)) {  
 System.*out*.println("Strings are equal");  
 } else {  
 System.*out*.println("Strings are not equal");  
 }  
  
 *//str.indexOf('t') - returns the first occurence of that character  
 //str.lastIndexOf('t') - returns the last occurence of that character  
  
 //str.replace(org,replacement)  
 //str.trim(); trims the leading and trailing whitespaces  
  
 //str.toUpperCase() - returns a string  
 //str.toLowerCase() - returns a string* }  
  
 }

String Builder

import java.util.Scanner;  
  
public class Main {  
  
 public static void main(String[] args) {  
  
 *//StringBuilder Declaration* StringBuilder sb = new StringBuilder("Tony");  
 System.*out*.println(sb);  
  
 *//char at index 0* System.*out*.println(sb.charAt(0));  
  
 *//set character at index* sb.setCharAt(0,'P');  
 System.*out*.println(sb);  
  
 *//insert a character* sb.insert(0,'S');  
 System.*out*.println(sb);  
  
 *//delete a part of string* sb.delete(2,3);  
 sb.deleteCharAt(1);  
 System.*out*.println(sb);  
  
 *//appending characters* sb.append(" stark");  
 System.*out*.println(sb);  
  
 *//length of the string* System.*out*.println(sb.length());  
  
 *//reverse a string* sb.reverse();  
 System.*out*.println(sb);  
  
 *//replace* sb.replace(0,2,"he");  
 System.*out*.println(sb);  
  
  
  
  
  
 }  
  
 }