// String functions  
  
import java.util.\*;  
  
class c4\_strings\_1{  
 public static void main(String args[]){  
 String s1 = new String("Hello World Soumadittya Ghosh");  
 String s2 = new String("Hello World Soumadittya Ghosh");  
 String s3 = new String("Uttam Ghosh");  
 String s4 = new String("uttam Ghosh");  
  
  
 // equals function  
 // also considers case  
 boolean x = s1.equals(s2);  
 System.*out*.println("Boolean x : " + x);  
  
 boolean y = s2.equals(s3);  
 System.*out*.println("Boolean y : " + y);  
  
 boolean z = s3.equals(s4);  
 System.*out*.println("Boolean z : " + z);  
  
 boolean xy = s3.equalsIgnoreCase(s4);  
 System.*out*.println("Boolean xy : " + xy);  
  
 // index0f function  
 int n1 = s1.indexOf("H");  
 System.*out*.println("Index of : " + n1);  
  
  
 // substring function  
 // in this case it starts from index 3 and goes upto index 6  
 String s6 = s2.substring(3, 7);  
 System.*out*.println("substring : " + s6);  
  
 // trim function  
 // removes spaces from starting and ending of a string  
 String s7 = " Sudipta Ghosh ";  
 s7 = s7.trim();  
 System.*out*.println("Trim s7 : " + s7);  
  
 // getChars function  
// char c1[];  
// String s8 = "Sudipta Ghosh";  
// s8.getChars(0, 4,4);  
  
 // Split function  
 String s9[];  
 s9 = s2.split(" ");  
 System.*out*.println("Split : ");  
 for(int i = 0; i < s9.length; i++){  
 System.*out*.println(s9[i]);  
 }

// contains function  
 String s10 = new String("Java is great!");  
 System.*out*.println("Contains : " + s10.contains("java")); // false  
 System.*out*.println("Contains : " + s10.contains("Java")); // true  
  
  
  
 // replace function  
 String s11 = new String("jaJajaJa");  
 s11 = s11.replace("ja", "ls");  
 System.*out*.println("Replace : " + s11);  
  
 // replaceAll function  
 String s12 = new String("jaJajaJa");  
 s12 = s12.replaceAll("Ja", "Ls");  
 System.*out*.println("Replace All : " + s12);  
  
 // replaceFirst function  
 String s13 = new String("jaJajaJa");  
 s13 = s13.replaceFirst("Ja", "Ls");  
 System.*out*.println("Replace First : " + s13);  
  
 // replacing a character at a particular index  
 // using substring function  
 String s14 = new String("Soumadittya Ghosh");  
 s14 = s14.substring(0, 3) + "s" + s14.substring(4, s14.length());  
 System.*out*.println("Replacing character at a specific index : " + s14);  
  
 // using character array  
 String s15 = new String("Soumadittya Ghosh");  
 char c2[] = s15.toCharArray();  
 c2[7] = 's';  
 s15 = new String(c2);  
 System.*out*.println(s15);  
  
 // Converting integer to string (valueOf function)  
 int n2 = 12;  
 String s16 = String.*valueOf*(n2);  
 System.*out*.println("Converting integer to string : " + s16);  
  
 // Converting double to string (valueOf function)  
 double d1 = 22.0;  
 String s17 = String.*valueOf*(d1);  
 System.*out*.println("Converting double to string : " + s17);  
  
 // Converting integer to string (Integer.toString function)  
 int n3 = 20;  
 String s18 = Integer.*toString*(n3);  
 System.*out*.println("Converting integer to string : " + s18);

// Converting string to integer  
 // using Integer.parseInt() function  
 String s19 = "1234";  
 int n4 = Integer.*parseInt*(s19);  
 n4 += 10;  
 System.*out*.println("Converting string to integer : " + n4);  
  
 // Converting string to double  
 // using Integer.parseInt() function  
 String s20 = "1234";  
 double d2 = Double.*parseDouble*(s20);  
 d2 += 10;  
 System.*out*.println("Converting string to double : " + d2);  
  
 // Converting string to float  
 // using Float.parseFloat() function  
 String s21 = "1234";  
 float f1 = Float.*parseFloat*(s19);  
 f1 += 10;  
 System.*out*.println("Converting string to float : " + f1);  
  
  
  
  
 }  
}