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1 package by.riit.ideas;
2
3 public class DataTypes005 {
4     public static void main(String[] args) {
5         // String Examples
6         String str1 = "This is a test.";
7         char ch1 = str1.charAt(0);
8         System.out.println(ch1);
9         System.out.println(str1.charAt(0));
10        System.out.println(str1.length());
11        System.out.println();
12        for (int i = 0; i < str1.length(); i++) {
13            System.out.println(str1.charAt(i));
14        }
15        System.out.println();
16        String str2 = "this is a test.";
17        System.out.println(str1.equals(str2));
18        System.out.println(str1.equalsIgnoreCase(str2));
19        System.out.println();
20        String str3 = String.valueOf(3.14159);
21        System.out.println(str3);
22        System.out.println();
23        System.out.println(str1.indexOf("i"));
24        System.out.println(str1.indexOf("i", 3));
25        System.out.println(str1.indexOf("i", 7));
26        System.out.println();
27        System.out.println(str1.lastIndexOf("i"));
28        System.out.println(str1.lastIndexOf("i", 3));
29        System.out.println(str1.lastIndexOf("i", 7));
30        System.out.println(str1.lastIndexOf("i", 1));
31        System.out.println();
32        System.out.println(str1.indexOf("is"));
33        System.out.println(str1.indexOf("is", 3));
34        System.out.println(str1.indexOf("that"));
35        System.out.println();
36        str1 = "cat";
37        str2 = "dog";
38        System.out.println(str1.compareTo(str2));
39        System.out.println(str1.compareTo(str1));
40        System.out.println(str2.compareTo(str1));
41        System.out.println();
42        str1 = "cat";
43        str2 = "Dog";
44        System.out.println(str1.compareTo(str2));
45        System.out.println(str1.compareTo(str1));
46        System.out.println(str2.compareTo(str1));
47        System.out.println();
48        System.out.println((int) ('c') + " " + (int) ('D'));
49        System.out.println();
50        System.out.println(str1.compareToIgnoreCase(str2));
51        System.out.println(str1.compareToIgnoreCase(str1));
52        System.out.println(str2.compareToIgnoreCase(str1));
53        System.out.println();
54        str1 = str1.concat(str2);

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55     System.out.println(str1);
56     str1 = "cat";
57     str2 = "Dog";
58     str1 = str2 + str1;
59     System.out.println(str1);
60     System.out.println();
61     System.out.println(str1.endsWith("at"));
62     System.out.println(str1.endsWith("ta"));
63     System.out.println();
64     System.out.println(str1.startsWith("Dog"));
65     System.out.println(str1.startsWith("dog"));
66     System.out.println();
67     System.out.println(str1.isEmpty());
68     System.out.println();
69     System.out.println(str1);
70     System.out.println(str1.toLowerCase());
71     System.out.println(str1.toUpperCase());
72     System.out.println(str1);
73     str1 = str1.toUpperCase();
74     System.out.println(str1);
75     System.out.println();
76     str1 = "This is a test string for testing the replace command.";
77     System.out.println(str1);
78     str1.replaceAll("test", "short");
79     System.out.println(str1.replaceAll("test", "short"));
80     System.out.println(str1);
81     System.out.println(str1.replaceFirst("test", "short"));
82     System.out.println(str1);
83     System.out.println();
84     System.out.println(str1.substring(5, 7));
85     System.out.println(str1.substring(15, 20));
86     System.out.println(str1.substring(15, 21));
87     System.out.println(str1.substring(15));
88     System.out.println(str1);
89     System.out.println();
90     str1 = " This is a trim test ";
91     System.out.println(str1.trim() + "*****");
92
93     str1 = "10.3";
94     str2 = "123";
95     System.out.println(str1 + str2);
96     double d = Double.parseDouble(str1);
97     int i = Integer.parseInt(str2);
98     System.out.println(d + i);
99     System.out.println();
100 }
101 }
102
103

```