

Strings

1. Demonstrate various string constructor with java

Java

Java

ABCDEF

CDE

cde

2. Demonstrate string length, string literal
string concat

3

6

He is 6 years old

four : 4

3. Demonstrate toString()

101 Sakshi, Bengaluru

102 Rani, Hyderabad

4. Using getChar(), extract Bmsce from
"Welcome to Bmsce College"

Bmsce

65

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ABCDEF G

- 6, 7) Check outputs using .equals() and .regionMatches()
- Bmsec.equals(Bmsec) → true
 - Bmsec.equals(college) → false
 - Bmsec.equals(BMSCE) → false
 - Bmsec.equals(IgnoreCase BMSCE) → true
 - Substring is matched = Bmsec usage

- 8, 9, 10) II starts with() and endWith() and equals() vs ==
- true
 - true
 - false
 - false
- Hello.equals(Hello) → true
Hello == Hello → false

- 11) Write a java program to perform sorting for alphabets using compareTo().

apple	net
ball	orange
cat	parrot
dog	queen
end	ring
free	star
gun	tree
hen	umbrella
ice	van
jug	watch
kite	xmas
lift	
man	

- 12 Write a java program to perform sorting of nos from 10 to 1 using compareTo()
 10 9 8 7 6 5 4 3 2 1

- 13 Write a program using substring(), indexof() for replacing "was" to "is" in "Threw was a test. This was, too".
 Threw was, too.
 This is a test. This is, too.

- 14, 15, 16 Demonstrate concat() for s1 = "Hello" and s2 = "world"
 Demonstrate replace() for college → commiege
 trim() — Hello friends

O/P The string is hello world
 Commiege
 Hello friends

17. Student class with details of registration number, full name, semester, CGPA. Sort with respect to CGPA and by name.

O/P	Before sorting	After sorting by CGPA	After sorting by name
	Darshan - 9.1	Janavi - 9.2	
	Janavi - 9.2	Darshan - 9.1	Darshan - 9.1
	Rahul - 8.9	Eshwari - 9.1	Eshwari - 9.1
	Eshwari - 9.1	Rahul - 8.9	Janavi - 9.0
	Manoj - 8.5	Manoj - 8.5	Manoj - 8.5
			Rahul - 8.9

- 18 String buffer functions

O/P buffer before : Hello

charAt(1) before = e

buffer after = He

charAt(1) after = i

f // get char

g

Hello from BMS College

a = 42.

I like Java!

1 array elem I

After delete = This is a test

After delete char A t = his a test,

After replace = his answer

21. Generic

Enter elements into the integer stack

10 20 30 40 50

Enter elements into double stack

60.50 70.67 80.98 10.11 23.45

Elements of stack 1 Elements of stack 2

40

23.45

40

10.11

30

80.98

20

70.67

10

60.50

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