

## Strings

- Demonstrate various string manipulation with java program
 

Java

ABCDEF

CDE

c de
- Demonstrate string length, string literal, string concat

3

6

He is 6 years old

four : 4

- Demonstrate to String()

10.1 Sakshi, Bengaluru

10.2 Rani, Hyderabad

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

Bmsce

65

66

67

68

69

70

71

ABCDEF G

- 6, 7) Check outputs using .equals() and .regionMatches()

Bmice.equals(Bmice) → true

Bmice.equals(college) → false

Bmice.equals(BMSCE) → false

Bmice.equals(IgnoreCase BMSCE) → true

Substring is matched = Bmice usage

- 8, 9, 10) If starts with() and end with() 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

jing 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 "This was a test. This was, too".

This was, too.

This is a test. This is, too.

14, 15, 16 Demonstrate concat() for s1 = "Hello" and s2 = "world"

Demonstrate replace() for college  $\rightarrow$  commige  
trim(). — Hello friends

O/P The string is helloworld

Commige

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	
	Name	CGPA	Name	CGPA	Name	CGPA
	Darshan - 9.1		Tanavi - 9.2			
	Janavi - 9.2		Darshan - 9.1			
	Rahul - 8.9		Eshwari - 9.1			
	Eshwari - 9.1		Rahul - 8.9			
	Manoj - 8.5		Manoj - 8.5			

✓ 18 String buffer functions

O/P buffer before : Hello

charAt(1) before = e

buffer after = H.

charAt(1) after = i

f // get char

z

Hello from BMS college

a = 42

I like Java!

I love Java!

After delete = This is a test

After delete charAt = This is 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 10.11 123.45

Elements of stack 1 Elements of stack 2

20

40

23.45

10.11

30

80.98

20

70.67

10

123.45

Number left will answer after printing 20.8

Answer is

Sakshi B.R

1. P. S. Sakshi

1. P. S. Sakshi

C1BM22CS233

2. P. S. Sakshi

1. P. S. Sakshi

P.S. Sakshi

3. P. S. Sakshi

P. S. Sakshi

1. P. S. Sakshi

4. P. S. Sakshi

2. P. S. Sakshi

3. P. S. Sakshi

Number left will answer

Number left will answer

Number left will answer