

Program 6

Strings:

- Demonstrate various string construction with proper java program.

O/p:

Dimensions are 10.0 by 10.0 by 12.0
 Box b = Dimensions are 10.0 by 10.0
 by 12.0

- Demonstrate string length, string literal, string concat.

Class Prog

O/p:

Hello world // string ~~length~~ literal

// String length

length of the string: Hello world = 13

Using concatenation

Concatenated string: Hello world

- Demonstrate `toString()`

O/p:

dimensions are 10.0 by 10.0 by 12.0
 Box b: Dimensions are 10.0 by 10.0
 by 12.0.

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

O/p:

me to b

5. Demonstrate getBytes(), toCharArray()

O/p:

//getBytes

O/p:

72

101

65

108

111

32

//toCharArray

welcome to Bmsce college

6. Write the following output & write the java program using string function

Bmsce equals Bmsce → true

Bmsce equals College → false

Bmsce equals BMSCE → false

Bmsce equals ignore case BMSCE → true

O/p:

//input = Bmsce
true

7. Using regular matches find the substring "Bmce. college" from the string "Bmce college of Engineering" if matches display substring not matched otherwise display not matched.

O/p:

Input → Bmce college.

O/p:

substring is not matched.

8. Demonstrate startwith() to give O/p true and false.

O/p:

it is true.

9. Demonstrate endswith() to give O/p true & false.

O/p:

if is followed by word or sentence.

10. Demonstrate bult-in function and program to show O/p for equals()

O/p:

Hello == Hello → true

Hello != Hello → false

10. Write a java proj. to perform sorting for alphabets using compareTo().

O/p:

apple

ball

cat

dog

ent

tree

gun

hen

ice

jug

list

man

net

orange

parrot

queeen

ring

stem

tree

umbrella

van

watch

xmas

yatch

ree

M T W T F S

12. Write a java prog. to perform sum of two no's using compareto() O/P:
1
2
3
4
8
6
7
8
9
10

13. Write a java prog. using substring, index of()
~~str~~

O/P:

That was a test
that was too.

14. Hello world.

15. O/P: welcome

16. O/P: Hello friends

17. Registration name: 26

Full name: Alice bob

Gender: 2

GPA: 8.5

18.

18. i) 7.6
8.5
9.2

ii) Alice
Bob
John

18. O/p: Using ~~builder~~ length
O/p: Hello

// string setCharAt :
O/p: H x Hello

// append :

O/p: Hello, world!

// insert : E = element

O/p: Hello world

// reverse :

O/p: ollehrever

// delete :

O/p: Hello!

Date: _____
M T W T F S

11 delete char at:
o/p: Hello

11 replace:
o/p: Hello, universe

11 substring:
o/p: world

19. o/p: Eagle details:
Eagles soar high in the sky
Eagle swoops loudly.

Hawk details:

Hawk glides through the sky.
Hawk emits sharp cry.

20. o/p: Circle details:
Area = 3.14
Perimeter = 31.42 cm

triangle details

Area = 6 cm²

Perimeter = 12 cm