

16/01/24

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1. `S = javaprogram`
Demonstrate various string construction with proper java programs.

output
`S = javaprogram`
`S1 = Javap`

2. Demonstrate string length, string literal, string concat.

String length of `S = 11`. // string length
Length of `JAVA` is `= 4`. // string literal
String concatenate: `He is beautiful` string concat.

3. Demonstrate `toString()`

Dimensions are `10.0 by 14.0 by 12.0`
Box b: Dimensions are `10.0 by 14.0 by 12.0`

4. Using `getChars()`, extract Beautiful from
"Welcome to Bmsce college". "He is Beautiful"

Beautiful.

5. Demonstrate `getBytes()`, `toCharArray()` with proper java programs.

For "He is beautiful"

92

101

32

105

115

32

98

101

97

117

116

105

102

117

108.

output `getCharArray()`
He is beautiful.

6. Check the following output and write the programs using string function.

output,

<code>Bmsce = Bmsce</code>	<code>true</code>
<code>Bmsce = College</code>	<code>false</code>
<code>Bmsce = BMSCIE</code>	<code>false</code>
<code>Bmsce.equalsIgnoreCase BMSCIE</code>	

7. Using `regionMatches()` find the substring "Bmsce college" from the string "Welcome Bmsce College of Engineering", if matches display substring is matched otherwise display not matched.

output: substring is matched.

8. Demonstrate `startsWith()` to give output true and false.

true ('FOOLS' starts with 'F')
false ('HEY' starts with 'Y')

9. Demonstrate endsWith() to give output true and false.

true ('FOOLS' ends with 'S')
false ('HEY' ends with 'H')

10. Demonstrate a java program to show the output for equals() versus ==

output
true (Bottle equals Bottle)
false (Bottle == Bottle) different instance

11. Write a java program to show the output for equals perform sorting for alphabets using compareTo().

- "van", "watch", "ball", "cat", "xmas", "yatch",
"zee", "apple", "ice", "jug", "kite", "lift", "man",
"net", "orange", "dog", "ent", "free", "gun", "hen",
"parrot", "queen", "ring", "star", "tree", "umbrella",

output
apple
ball
cat
dog
ent
free
gun
hen
ice

ging
kite
lift
man
net
orange
parrot
queen
ring
star
tree
umbrella
van
watch
xmas
yatch
zee.

12 Sorting from 10 to 1 using comparab.
output 1 2 3 4 5 6 7 8 9 10

13. ~~an~~ WAP to demonstrate substring(), indexOf(),
+, for replacing "was" to "is".
"Thwas was a test, Thwas was, too".

output, This was a test. Thwas was, too
This is a test. Thwas was too
This is a test. This was too.
This is a test. This is too.

14. WAP to concat() s1 = "hello" & s2 = "world",

Output hello world.

15. WAP replace(), "College" with "Commege":

Output: BMS Commege.

16. WAP demonstrate trim() for " Hello Friends
"

Output

"Hello Friends".

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