program 1 output :

OUTPUT:-

Empty string :
string from char Array : hello
Substring from char array : orl
copied string copy me!!

program 2 output.

OUTPUT:-

String length is . 12
String literal : java is fun.
Concatenated string Hello world.

program 3 output

Demo object with heartbeat 72 beats per minute.

program 4 output :

Extracted string : BMSCE

program 5 output :-

output using get Bytes
Bytes : 72 101 108 108 111 44 32 87 111
114   108 100 33

Reconstructed string : Hello world!

outputs -for toCharArray():

characters: programming
Reconstructed Stroing: programming.

(6) program output for 6th question is:-

Bmsce equals Bmsce → true
Bmsce equals College → false
Bemsce equals Bmsce → false
Bmsce equalsIgnorecase BMSE → true.

(7) program output for 7th question is

Substring is matched.

(8) program output for 8th question is

Starts with Hellor: true
Starts with java : false

(9) program output for 9th question is

Ends with world!: true
Ends with Java: false.

(10) program output for 10th question is

using equals(): true.
using == for different objects: false
using != for same objects : true

(11) program output for 11th program.

Sorted words :

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

12) Output for 12th program

Sorted numbers

1

2

3

4

5

6

7

8

9

10.

13) output for 13th program

Modified string : This is a test,. This is, too

14) output for 14th program

Concatenated string : helloworld.

15) output :

Modified string : Welcome to Bmsce Commege of Enginee -ng

16) output :

Trimmed string : Hello friends.

18) output:

After det Length (5): Hello
charAt (2): l
After det Char At (2, 'x'): Hexlo
get Chars (0, 5, thargetArray, 0): Henlo
After abbend : Hcnlo Appended
After insert (7, 'Inserted'): Henlo
Insxcrted Appended!
After reuers: !dednappA detrepsn I
olxe H
After delete (3, 9): ! dr tednappA detrepsnI
olxeH
After deletecharAt (0): drtednakbA detrepsnI
olXPH
After replace (0, 5, 'New'):
New drt ednappA detrepsnI olXeH
substring (3, 8) dtedn.

19) Output:-

Eagle Behavior
Eagle Soars the sky
Eagle srseeches loudly

Hawk behaviors.
Hawk glides cgracefully in the air
Hawk emits a high pitched scream.

20 Output :
circle - Area: 78.53 98 16 339 74483,
perimeter: - 31 4159 2653 589793
driagle - Area - 6.0; perimeter: 12.0.