

FULL STACK DEVELOPMENT – WORKSHEET 5

Ans1- Output- abcd abc false

abcd abcd true

Reason- due to “stringbuffer” , value of sb2 also changed with the change in value of sb1. Because a string buffer can be modified and synchronized at any point in time.

Ans2- Output- String

Reason- Because method with parameter String s is called.

Ans3- Output- a

b

c

Reason- Because of method overloading when method third is called it will inherit method second as class second is the parent class of class third, due to which method first will be called too as class first is the parent class of class second.

Ans4- Output- 20

Reason- In statement `this.num = num * 10`, num represents local variable of the method whose value is 2 and `this.num` represents class instance variable whose initial value is 100. So when we called `printNum()`; it gave 20 that is 2×10 .

Ans5- Output- 4

Reason- "Love" is appended to "Java" making s1 "JavaLove".

`int foundAt = s1.indexOf(s2);` indicates "Love" in s1 and finds it starting at index 4.

Ans6- Output- Writing book

Reason- static methods cannot be overridden or cannot be associated with any instance.

Ans7- Output- Not equal

Reason- Because both are different Objects.

Ans8- Output- First statement of try block

15

finally block

Main method

Ans9- Output- constructor called

constructor called

Reason- Constructor is called two times by different objects a and b.

Ans10- Output- Static Block 1

Static Block 2

Value of num = 100

Value of mystr = Constructor

Reason- Because of keyword static methods cannot be overridden or cannot be associated with any instance.