

# Worksheet 5

**Q1. o/p-** abcd abc false

abcd abcd true

stringbuffer class modifies the content of the string since its mutable.. where as string class will compare the content what is stored before and its immutable so it will create a reference variable for "d" so when u call s2 it actually has the original value of s1 i.e. "abc"

**Q2. o/p-** String since main method is invoking the function fliprobo and main method has string parameters..

**Q3.o/p-**

**a b c this is the example of multilevel inheritance ..** Here first superclass constructor will be called thereafter derived(sub-class) constructor will be called because the constructor call is from top to bottom.

**Q4. 20..**

**Q5. 4 .. s1 will be "JavaLove" after the append and index of s2 is 4 in this**

**Q6. Writing book...** since object of author class will call the write method of author class

**Q7. Not equal ...** since == operator is used to match the object or reference of the string in heap memory. So here s1 and s2 will have different memory locations resulting in not equal.

**Q8.o/p** First statement of try block

15

finally block

Main method

-- since there is no exception caught in the program.

**Q9.o/p**

constructor called

constructor called

first b object will invoke the constructor and object a will invoke the constructor

**Q10. O/p**

Static Block 1

Static Block 2

Value of num = 100

Value of mystr = Constructor

Static block will execute first when the program runs... so in this case first static block then second static block and then constructor .