Date: 9/11/17
<u>Ouiz - 1 - Lesson 1 - 4</u> [15 Points] Set - 1
I. Circle the suitable choice for multiple choices, some questions fill out answer in the line.
1. Write the memory storage for the given types from the clues. [2 Points]
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b. String Literals - String pool
c. Objects - Heap
c. Objects - Heap d. Local Variables - Stack
2. Which statement below is true when the following code is compiled/run, and the input is a non-null String start and a char c?
 a. Invalid recursion, which leads to a runtime error. b. Outputs true if the input string is empty, false otherwise C Outputs true if the character c is contained in the string start, false otherwise d. Outputs true if the character c is not contained in the string start, false otherwise
public static boolean what(String start, char c){ if(start.equals("")) return false; if(start.charAt(start.length() - 1) == c) return true; return what(start.substring(0, start.length() - 1), c); }
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3. Java performs extensive compile time and runtime error checking to gain reliability. This
statement is true or false.
A True B. False
4. What is output of the given code?
int $x[]=$ new int $[8]$; x[0]=5; $x[1]=6$; System.out.println(x.length);
A. 2 B 8 C. 5 D. 6
5. A Constructor has no return value and no return type. This statement is true or false. A True B. False
6. Private constructor can be used to ensure that only one instance of a class is ever used. This
concept is generally called as

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7. What is the output of the following program?
    String s1 = "Welcome to Java";
    String s2 = new String("Welcome to Java");
    String s3 = "Welcome to Java";
    System.out.println("s1 == s2 is " + (s1 == s2));
    System.out.println("s1 == s3 is " + (s1 == s3));
       \overrightarrow{A} s1 == s2 is false
                                     B. s1 == s2 is true
                                                               c. s1 == s2 is false D. Error
           s1 == s3 is true
                                       s1 == s3 is true
                                                                 s1 == s3 is false
   8. What is the output of this given code?
   public class Test {
       static int count=0;
        Test(){ ++count;}
        public int getCount(){return count;}
        public static void main(String[] args){
          Test instance = null;
          for(int i = 0; i < 5; ++i){
               instance = new Test();
         System.out.println(instance.getCount());
         A. 0
                            B. 1
                                                               D. The code has some error
 9. What is the output of the given recursive algorithm if you pass a string "Quiz"?
         public static int test(String str) {
         if (str == null || str.equals(""))
         return 0;
        else
        return 1 + test(str.substring(1));
    Answer : _
10. Is the given signature is valid overloading or not. Your answer should be Yes or No.
       int myMethod(int input1, String input2);
                                                                    > number of parents
> det aty pes of pu
       void myMethod(int x, String s);
       Answer: NO
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11. What is the output of the given code?
class Operation{
 int data=50;
 void change(int data){
 data=data+100;
 public static void main(String args[]){
  Operation op=new Operation();
System.out.println(op.data);
  op.change(500);
  System.out.println(op.data);
A. 50
              B. 150
                              C. 50
                                                    50
                  750
                                650
                                                     50
12. What is the output of the following program?
 class MyClass
                           11 Consorodor has two parameter
  int i;
   float j;
   MyClass myObj= new MyClass(); // J+'S going to how Compile time Groom

System.out.println("myObj.i="+mvOb...
   MyClass(int x, float y)
  public static void main(String[] args)
                                (B) Compile Time Error
A.
      myObj.i=0, myObj.j=0.0
C.
      Run Time Error
                                 D. None
13. Write your answer with the word Mutable or Immutable for the given API. [ 2 Point]
     LocalDate -
                     Immutable
 b. StringBuilder - Mutable
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